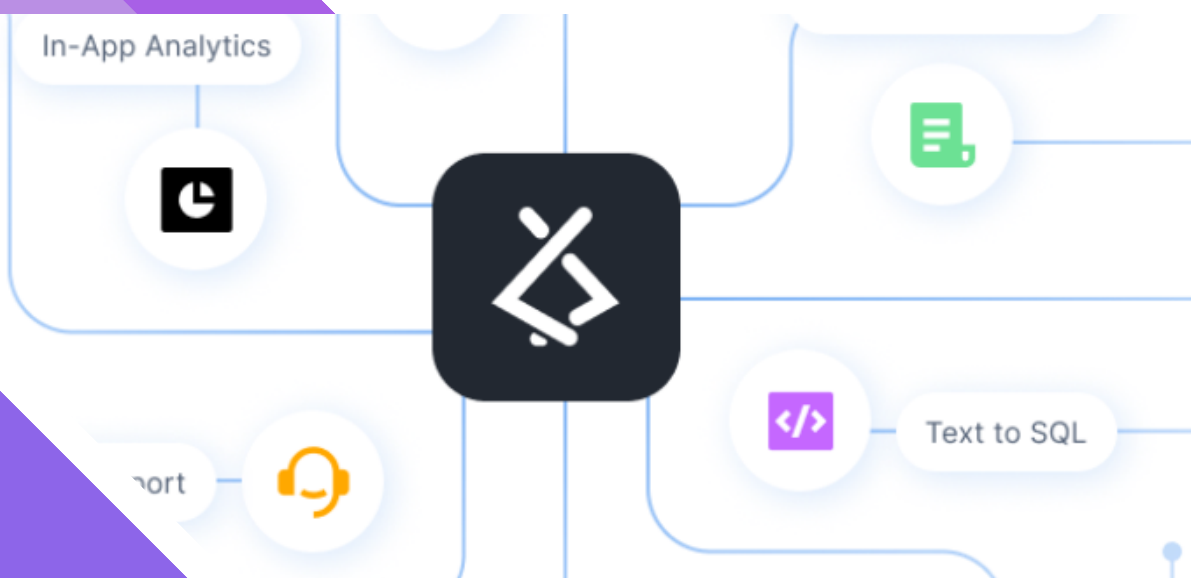


**DOWNLOADABLE  
TEMPLATE**

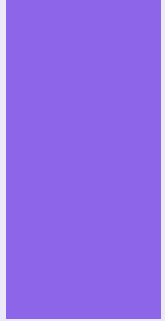
# OVER 100 GENERATIVE AI USE CASES & EXAMPLES



FOR  
DIFFERENT  
INDUSTRIES

**2024**

**PREPARED BY LYZR**



# GENERATIVE AI

## USE CASES & EXAMPLES

Imagine artificial intelligence that not just analyzes data, but creates entirely new things! That's the power of Generative AI (GenAI). Unlike traditional AI which focuses on learning and reacting, GenAI uses its knowledge to produce fresh content, from realistic images to innovative product designs. This unlocks a new level of automation across industries.

Traditional AI, also referred to as Weak or Narrow AI, specializes in logical reasoning, pattern recognition, and rule-based decision-making. Trained on labeled datasets, these systems execute preset tasks using predetermined algorithms. Generative AI, or Strong/Creative AI, excels in innovative content creation. Unlike traditional models, it autonomously generates text, video, and images, prioritizing creativity over predictive tasks. While traditional AI focuses on existing data for predictions, generative AI produces fresh, original content across various media formats.

The potential applications of GenAI are vast. From designing new drugs in healthcare to personalizing marketing campaigns in retail, GenAI can revolutionize how businesses operate. This guide delves into specific industry use cases, showcasing how GenAI is transforming various sectors and paving the way for a more automated and efficient future. To skip to how GenAI can be applied in your field, refer to the table of contents below.

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Real-life examples of GenAI-powered chat agents that generate content, answer queries, and even offer personalised suggestions.

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## **DATA** ANALYSIS AGENTS

Data holds immense potential, but unlocking its secrets can be overwhelming. Here, we explore how GenAI empowers businesses to do more.

## GEN AI **CONTENT** GENERATORS

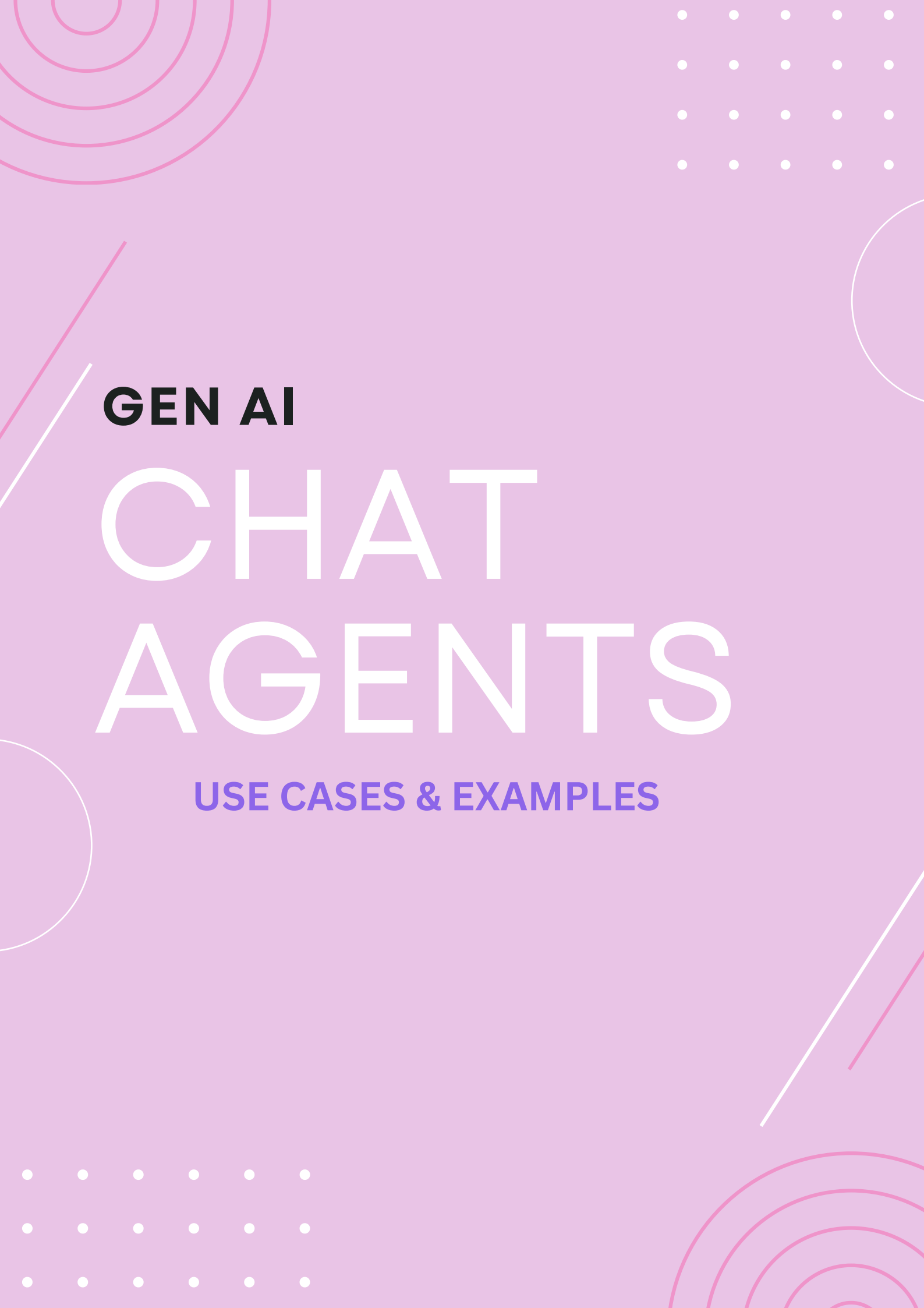
This section dives into various applications of generative AI across industries, exploring how it can streamline content creation, boost engagement, and personalize the user experience for every customer.

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## **AUTOMATION** AGENTS

Learn how GenAI is automating workflows from streamlining assembly lines to personalizing experiences and supercharging efficiency.



**GEN AI**

# CHAT AGENTS

**USE CASES & EXAMPLES**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in the automotive industry

<p><b>AUTOMOTIVE</b></p>	<p><b>Virtual Troubleshooting Guide for Service Technicians</b></p> <p>AI capabilities can provide real-time diagnostic assistance to service technicians. By analyzing vehicle data and repair manuals, Gen AI chatbots can offer interactive, step-by-step solutions for troubleshooting complex issues, thereby improving efficiency and reducing downtime in service centers.</p> <p><i>Example: Gen AI can guide technicians through diagnostic procedures and can help them identify and resolve mechanical problems more efficiently.</i></p>
<p><b>AUTOMOTIVE</b></p>	<p><b>Dealer Support Chatbot</b></p> <p>AI can act as a virtual assistant for automotive dealers, offering instant support for various queries and operational tasks. From inventory checks to facilitating warranty claims, the chatbot streamlines dealer operations, enabling faster decision-making and improved customer service.</p> <p><i>Example: A Dealer Support Chatbot can help provide dealers with real-time access to inventory status, order tracking, and customer service assistance, enhancing overall dealership efficiency and customer satisfaction.</i></p>
<p><b>AUTOMOTIVE</b></p>	<p><b>AI-Powered Product Manual Assistance for Mechanics</b></p> <p>AI-driven chatbots equipped with generative AI capabilities can quickly reference product manuals and provide mechanics with instant information on assembly procedures, part specifications, and safety protocols. This improves the speed and accuracy of repairs and maintenance tasks on the shop floor.</p> <p><i>Example: Product Manual Chatbot assists mechanics by instantly retrieving relevant information from product manuals, ensuring adherence to manufacturer specifications during repairs and maintenance.</i></p>

# GEN AI CHAT AGENTS

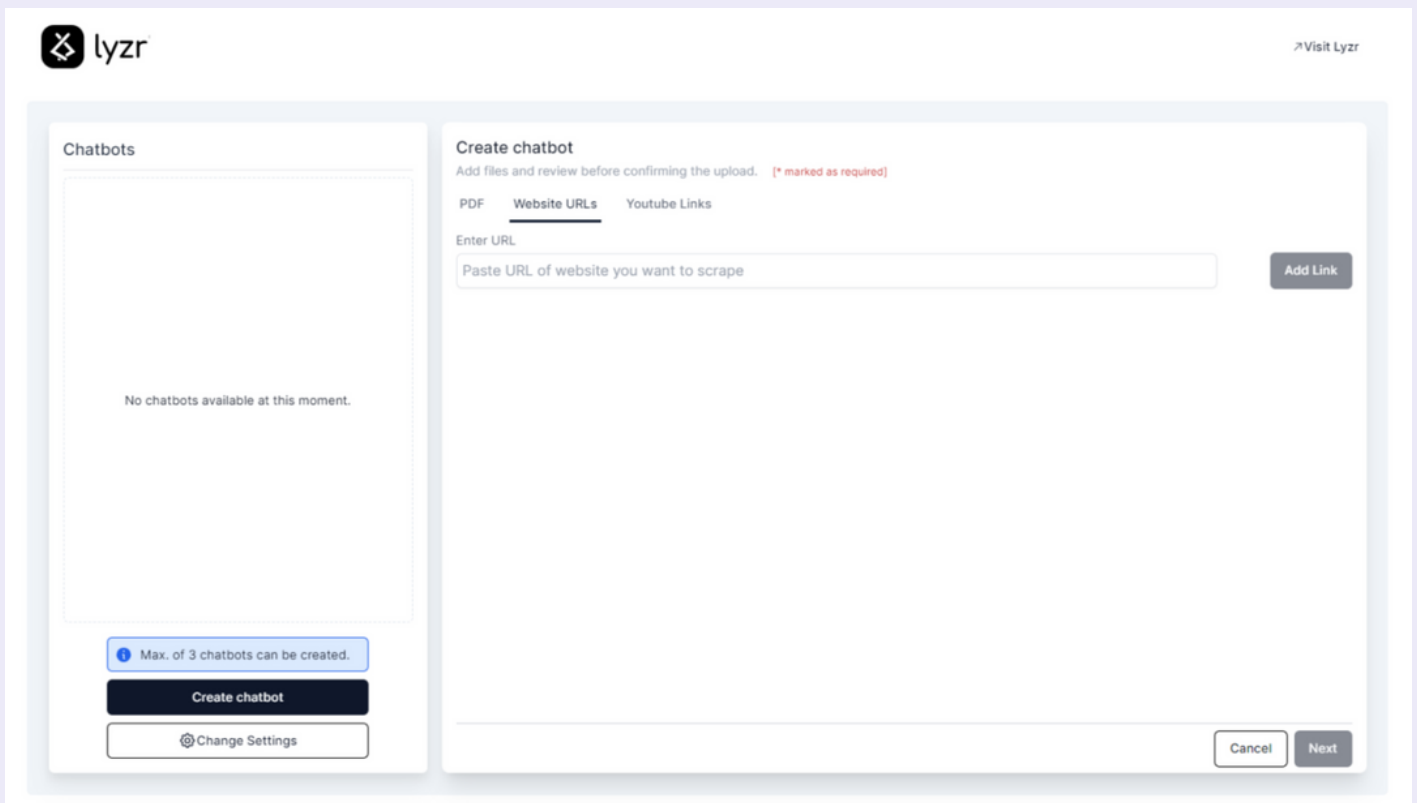
Generative AI Chat Agent use cases in the automotive industry

AUTOMOTIVE

## Car Buying Guide Chatbot

Designed to simplify the car purchasing journey, this chatbot assists potential buyers by providing detailed information on different car models, including feature comparisons, pricing, and financing options. It also facilitates test drive bookings, streamlining the car buying process and enhancing customer experience.

**Example:** An AI-powered Car Buying Guide Chatbot offers personalized recommendations based on user preferences and budget, guiding them through the entire car buying process from research to purchase, thereby improving customer satisfaction and dealership sales.



Explore how to build your own [chatbot with Lyzr](#)

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in real estate

REAL ESTATE

## Personalized Home-buying Experience

Gen AI chatbots in real estate offer personalized support and assistance 24/7 to homebuyers.

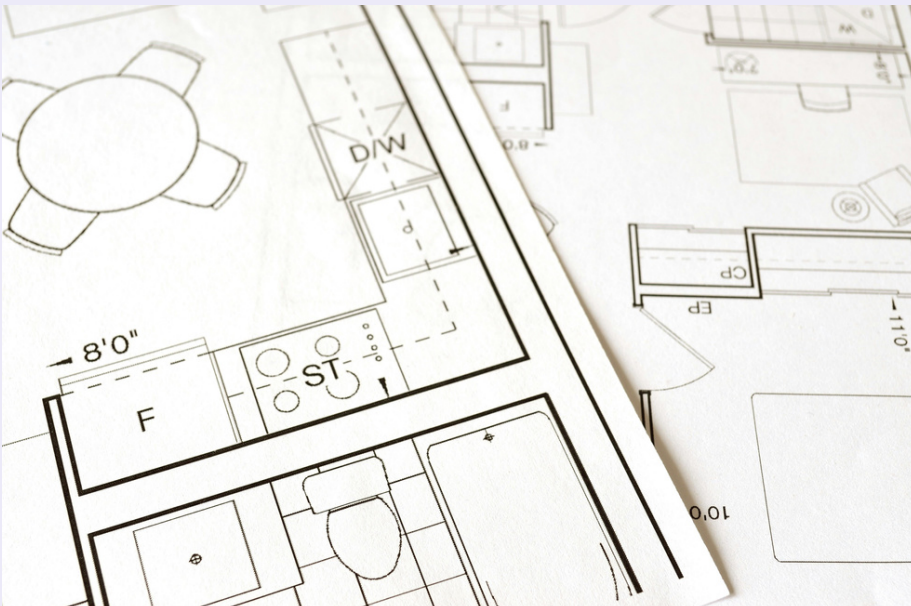
*Example: A chatbot can interact with buyers, understand their preferences, respond to inquiries about property listings, schedule viewings, and provide information on neighborhoods.*

REAL ESTATE

## 24/7 Customer Service

Gen AI-powered chatbots in real estate provide round-the-clock customer service.

*Example: If a prospective homebuyer has inquiries about property listings or wants to schedule a viewing, they can chat with a chatbot at any time. The chatbot can answer FAQs, schedule appointments, and even connect users with live agents for more complex inquiries, ensuring seamless assistance day or night.*



**Creating site plans with Gen AI is another use case that's gaining traction!**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in human resource management

HR

## 24/7 Employee Support

AI-generated content in HR with Gen AI provides 24/7 employee support by offering instant assistance and guidance.

*Example: Building an AI chatbot that can help employees chat anytime, anywhere to get answers to HR-related questions or resolve issues like password resets.*



**Chatbot can provide 24/7  
personalized support**



# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in the procurement industry

## PROCUREMENT

### Guided Product and Service Sourcing

Gen AI chatbots guide users through product and service sourcing processes based on pre-defined parameters and company policies.

*Example: A procurement specialist needs to source new office supplies. Instead of manually searching through catalogs and contacting vendors, they can interact with a chatbot that asks questions about their specific needs, suggests potential suppliers based on budget and quality requirements, and even initiates basic price comparisons with pre-approved vendors.*

## PROCUREMENT

### Proactive Inventory Management and Reordering

Gen AI chatbots analyze historical data and predict inventory needs, automating tasks like generating purchase orders for essential items before stock levels reach critical thresholds.

*Example: As inventory levels for office paper approach the reorder point, the Gen AI chatbot automatically initiates a purchase order for a predetermined quantity based on historical usage patterns. This proactive approach helps maintain consistent inventory levels and prevents stockouts, ensuring smooth operations.*



**AI chatbots streamline product sourcing based on parameters and policies**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in the energy industry



**24/7 personalized customer service, handling FAQs, billing, and appointments, easing agent workload.**

<p><b>ENERGY</b></p>	<p><b>Personalized Customer Service</b></p> <p>Gen AI chatbots provide 24/7 personalized customer service, answering frequently asked questions, resolving billing issues, and scheduling appointments, reducing workload for human agents.</p> <p><i><b>Example:</b> If a customer has a question about their electricity bill. They can chat with a <u>Gen AI chatbot on the energy company's website or mobile app</u>. The chatbot can access their account information, explain bill details, and handle simple inquiries like payment options or meter readings. This frees up human agents to focus on complex issues requiring more specialized expertise.</i></p>
<p><b>ENERGY</b></p>	<p><b>Proactive Customer Engagement and Education</b></p> <p>Gen AI chatbots proactively engage customers with energy-saving tips, outage updates, and personalized recommendations based on their usage patterns, promoting informed decision-making.</p> <p><i><b>Example:</b> During a heatwave, a Gen AI chatbot sends a message to a customer suggesting ways to conserve energy, like adjusting thermostat settings or using energy-efficient appliances. This proactive approach can help customers manage energy costs and reduce overall consumption.</i></p>

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in the insurance industry

INSURANCE

## Proactive Customer Service

Gen AI chatbots can anticipate customer needs, answer frequently asked questions, and offer personalized recommendations based on their policy details and past interactions.

*Example: A customer receives a notification from their car insurance chatbot reminding them of an upcoming renewal and offering options to compare quotes and adjust coverage if needed. The chatbot can also answer questions and guide them through the renewal process.*

INSURANCE

## Personalized Policy Management

Gen AI chatbots provide 24/7 support to policyholders, allowing them to manage their policies, access documents, and update information anytime.

*Example: A customer wants to check their policy coverage details before going on a trip. They can chat with an AI-powered chatbot that retrieves their policy information, answers questions about coverage inclusions and exclusions, and even connects them to a live agent if needed.*

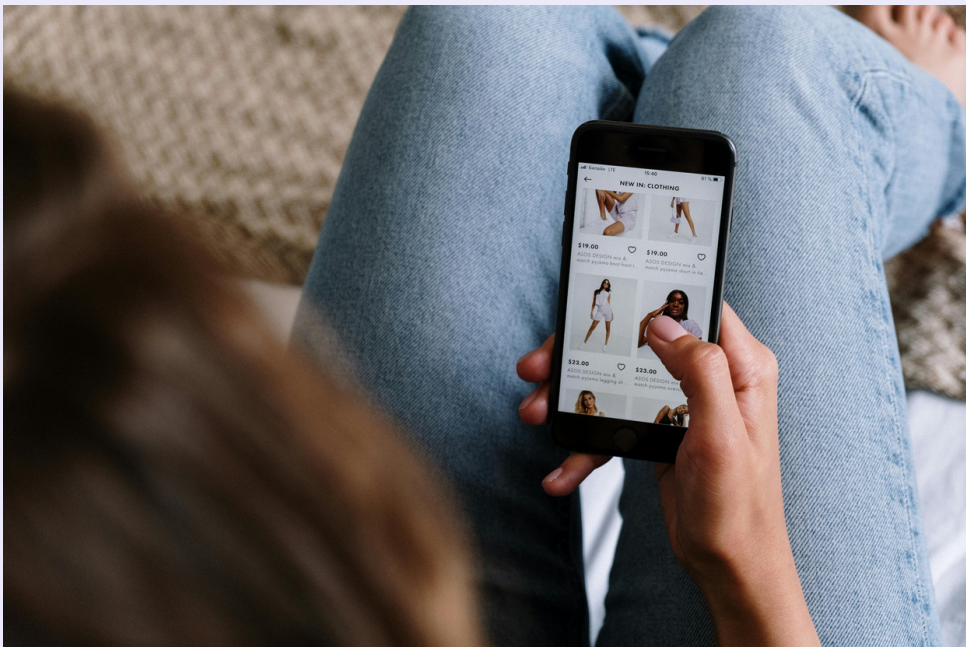


**Chatbots can proactively anticipate needs, answer FAQs, and offer personalized recommendations**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in retail & ecommerce

<p><b>RETAIL</b></p>	<p><b>24/7 Customer Support</b></p> <p>Gen AI chatbots answer frequently asked questions, handle basic inquiries, and resolve simple customer issues, offering 24/7 support and reducing the workload on human agents.</p> <p><i>Example: A customer has a question about product availability. The chatbot checks inventory levels and provides an immediate answer, saving the customer time and frustration. If the inquiry is complex, the chatbot can seamlessly transfer the customer to a human agent for further assistance.</i></p>
<p><b>RETAIL</b></p>	<p><b>Personalized Product Recommendations</b></p> <p>Gen AI chatbots analyze past purchases, browsing history, and user preferences to recommend relevant products and deals, improving customer satisfaction and conversion rates.</p> <p><i>Example: A customer browsing an online clothing store interacts with a chatbot. The AI analyzes their previous purchases and browsing behavior, suggesting similar styles, complementary items, and ongoing promotions relevant to their taste.</i></p>



**Chatbots in retail provide constant customer support, handling inquiries, and lightening human workload**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in banking & finance

## FINANCE

### Customized Financial Advice & Investment Management

Gen AI chatbots offer basic financial advice tailored to individual needs and risk tolerance. They can also connect users with human financial advisors for more complex investment planning and wealth management strategies.

***Example:** A customer asks a chatbot about saving for retirement. The chatbot analyzes their financial situation and suggests potential investment options based on their risk tolerance and time horizon. It can even schedule a consultation with a human advisor for personalized guidance.*

## BANKING

### Personalized Customer Service

Gen AI chatbots provide 24/7 personalized assistance to customers, answering basic questions about accounts, transactions, and banking services.

***Example:** A customer wants to check their account balance but can't access their online banking. They can chat with a Gen AI chatbot that securely retrieves and displays their balance, eliminating the need to wait for phone support.*



**Chatbots can provide tailored financial advice and connect users with advisors**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in the healthcare industry

<b>HEALTHCARE</b>	<h3>Appointment Scheduling &amp; Reminders</h3> <p>Gen AI chatbots can efficiently schedule appointments, send reminders, and confirm attendance, reducing administrative burden for healthcare providers.</p> <p><i>Example: If a patient needs to reschedule their appointment with the doctor without the hassle of waiting on phone calls, they can instantly use a chatbot to reschedule or cancel appointments with their doctor or specialist.</i></p>
<b>HEALTHCARE</b>	<h3>Symptom Checking &amp; Triage</h3> <p>Gen AI chatbots can conduct preliminary symptom checks, answer basic healthcare questions, and direct patients to appropriate resources.</p> <p><i>Example: A patient experiences sudden chest pain and uses a Gen AI chatbot for assistance. The chatbot conducts a preliminary symptom check, asks relevant questions about the pain's severity and accompanying symptoms, and swiftly examines the patient, advising immediate medical attention if necessary or providing guidance for self-care if the symptoms are mild.</i></p>

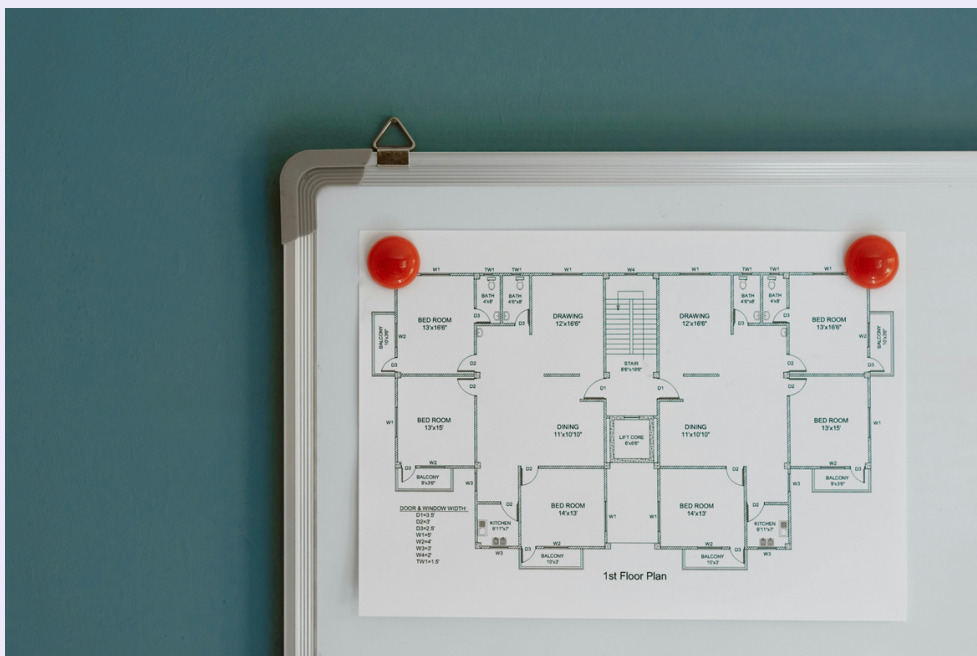
```
*  
* @var boolean  
*/  
define('PSI_INTERNAL_XML', false);  
  
if (version_compare("5.2", PHP_VERSION, ">")) {  
    die("PHP 5.2 or greater is required!!!");  
}  
if (!extension_loaded("pcre")) {  
    die("phpSysInfo requires the pcre extension to php in order to work  
    properly.");  
}  
  
require_once APP_ROOT.'/includes/autoloader.inc.php';  
  
// Load configuration  
require_once APP_ROOT.'/config.php';  
  
if (!defined('PSI_CONFIG_FILE') || !defined('PSI_DEBUG')) {  
    $tpl = new Template("/templates/html/error_config.html");  
    echo $tpl->fetch();  
    die();  
}
```

**Streamline scheduling, reminders, reducing admin for healthcare providers**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in design

DESIGN	<p><b>Personalized Design Feedback &amp; Inspiration</b></p> <p>Gen AI chatbots offer personalized feedback on design concepts, suggest improvements based on user preferences, and provide inspiration from relevant trends and styles.</p> <p><i>Example: A designer uploads a logo draft to a Gen AI chatbot. The chatbot analyzes the design and offers feedback on things like color schemes, typography, and alignment. It can also suggest similar successful logos or trending design elements for inspiration.</i></p>
DESIGN	<p><b>Collaborative Design Exploration &amp; Brainstorming</b></p> <p><u>Gen AI chatbots can act as brainstorming partners, generating design ideas based on user input, suggesting variations, and offering different design perspectives to spark creativity.</u></p> <p><i>Example: A web designer discusses their website concept with a Gen AI chatbot. The chatbot will ask questions about the target audience, desired functionalities, and brand guidelines. It will then generate various layout options, color combinations, and UI elements to explore, helping the designer refine their vision.</i></p>



**Chatbots can offer personalized design feedback, suggest improvements, and provide inspiration from relevant trends**

# GEN AI CHAT AGENTS

Generative AI Chat Agent use cases in the legal industry

<p>LEGAL</p>	<p><b>Legal Document Review &amp; Analysis</b></p> <p>Gen AI chatbots review and analyze legal documents, highlighting potential issues, inconsistencies, and areas requiring further review by a human lawyer.</p> <p><i>Example: A chatbot can analyze contracts, leases, or other legal documents, identifying clauses requiring special attention, highlighting potential risks, and flagging inconsistencies for further review by a lawyer.</i></p>
<p>LEGAL</p>	<p><b>24/7 Legal Information &amp; Assistance</b></p> <p>Gen AI chatbots provide basic legal information, answer frequently asked questions (FAQs), and direct users to relevant resources, even outside of business hours.</p> <p><i>Example: A chatbot can answer questions about common legal topics like wills, contracts, or tenant rights. It can also direct users to legal forms, and self-help guides, or connect them with a human representative during business hours.</i></p>



AI can help analyze legal documents, flagging issues for lawyer review





**CONTEXTUAL**  
**SEARCH**  
**AGENTS**

**USE CASES & EXAMPLES**

## SEARCH AGENTS

Generative AI Chat Agent use cases in the procurement industry

<b>PROCUREMENT</b>	<p><b>Intelligent Search &amp; Recommendation</b></p> <p>Gen AI analyzes past purchases and supplier data to personalize search results and proactively recommend relevant suppliers and products, improving efficiency and reducing procurement time.</p> <p><i>Example: A procurement officer searching for office supplies is presented with a list of pre-approved vendors with competitive prices based on their historical purchases and current market trends. Gen AI can also highlight new, sustainable options or suggest alternative products based on user preferences and past performance.</i></p>
<b>PROCUREMENT</b>	<p><b>Real-Time Market Intelligence &amp; Price Tracking</b></p> <p>Gen AI monitors market trends, competitor pricing, and supplier behavior in real-time, providing insights to inform procurement decisions and negotiations.</p> <p><i>Example: By analyzing historical data and current market trends, Gen AI can predict potential price fluctuations for specific commodities or materials, allowing procurement teams to make informed decisions about purchasing strategies and negotiate better pricing with suppliers.</i></p>



**Gen AI personalizes search results, recommends suppliers, enhancing efficiency**

# SEARCH AGENTS

Generative AI Chat Agent use cases in the energy industry

ENERGY

## Personalized Search and Recommendations

Gen AI personalizes search results for energy professionals by learning their interests, past searches, and industry trends, delivering relevant and timely information.

***Example:** An energy researcher frequently searches for information on renewable energy sources. Gen AI can recognize this pattern and suggests relevant research papers, industry news, and upcoming conferences focused on renewable energy advancements.*

ENERGY

## Advanced Semantic Search and Knowledge Management

AI understands the nuances of energy-specific terminology and utilizes advanced semantic search to improve the accuracy and efficiency of information retrieval across vast datasets.

***Example:** Gen AI, with its knowledge of energy terminology, can understand the intended meaning and return relevant information about optimizing smart grid systems.*



**AI can customize energy search results by learning interests, past searches.**

[Explore how to build a Search Agent using Lyzr](#)

# SEARCH AGENTS

Generative AI Chat Agent use cases in the insurance industry

INSURANCE

## Smart FAQ Generation and Management

Gen AI automatically identifies frequently asked questions (FAQs) from customer inquiries and online interactions, then generates and maintains an up-to-date and comprehensive FAQ section on the company website and app.

*Example: As users ask questions about claim filing procedures, Gen AI can identify repetitive queries and automatically generate responses to populate the FAQ section, reducing the need for manual updates and providing instant answers to common questions.*

INSURANCE

## AI-powered Search Term Optimization

Gen AI analyzes search engine trends, user queries, and competitor strategies to identify relevant keywords and optimize content, improving the discoverability of insurance products through organic search.

*Example: Analyzing user searches related to "life insurance," an AI can identify emerging trends like "term life vs. whole life" and suggest optimizing web page content for these keywords to attract more relevant traffic.*



**Gen AI can automate FAQ identification, generation, and maintenance for websites/apps**

# SEARCH AGENTS

Generative AI Chat Agent use cases in retail & ecommerce

<b>RETAIL</b>	<p><b>Semantic Search &amp; Natural Language Processing</b></p> <p><i>Gen AI goes beyond keyword matching to understand the intent and meaning behind customer searches, enabling them to find relevant products even if they don't use the exact keyword.</i></p> <p><b>Example:</b> <i>A customer searching for "comfy sneakers for work" might be directed to a broader category of comfortable work shoes, even though they didn't specifically use the keyword "work shoes."</i></p>
<b>RETAIL</b>	<p><b>Search Trend Analysis &amp; Optimization</b></p> <p><i>Gen AI analyzes search trends and customer behavior to identify popular products, emerging searches, and potential issues with search functionality, enabling retailers to optimize their search engine and product offerings.</i></p> <p><b>Example:</b> <i>By analyzing search trends, retailers can identify trending keywords and adjust their product descriptions and category structures to improve the findability of relevant products based on customer demand.</i></p>



**Gen AI can utilize semantic search, understanding intent for relevant results**

# SEARCH AGENTS

Generative AI Chat Agent use cases in banking & finance

## FINANCE

### Proactive & Contextual Search Suggestions

Gen AI anticipates user needs and proactively offers relevant search suggestions based on previous searches, current activities, and real-time data like market trends.

*Example: While reviewing account statements, a customer might see suggestions for budgeting tools or investment opportunities based on recent spending patterns and current market conditions.*

## BANKING

### Intelligent Knowledge Base Search

Gen AI utilizes natural language processing (NLP) to understand user intent and context, providing relevant information from extensive knowledge bases even if keywords are not explicitly used.

*Example: A customer searching "how to manage student loan debt" might be directed towards an AI-powered guide that summarizes repayment strategies, consolidation options, and government support programs, even though the exact keywords weren't used.*



**Gen AI predicts user needs, offers contextual search suggestions**

# SEARCH AGENTS

Generative AI Chat Agent use cases in the healthcare industry

HEALTHCARE

## Personalized Literature Search & Knowledge Retrieval

Gen AI can personalize search results for researchers and clinicians by analyzing their past searches, research interests, and patient data to deliver relevant and up-to-date information.

*Example: A doctor researching a specific disease can utilize an AI-powered search platform that tailors results based on their past searches about treatment options, patient demographics, and recent clinical trials. This personalized approach saves valuable time and ensures the doctor encounters the most relevant information for their specific needs.*

HEALTHCARE

## AI-Powered Medical Image Analysis & Diagnosis Support

Gen AI analyzes medical images like X-rays, CT scans, and MRIs to identify potential abnormalities, assist in diagnosis, and support healthcare professionals in making informed clinical decisions.

*Example: AI algorithms can analyze medical images and highlight areas of concern, such as suspicious lesions or tumors. While not a replacement for expert diagnosis, this technology can help radiologists and other healthcare professionals identify potential issues and prioritize further investigation.*



**Gen AI tailors search results for researchers and clinicians efficiently**

# SEARCH AGENTS

Generative AI Chat Agent use cases in design

DESIGN

## Personalized Design Inspiration Search

Gen AI personalizes design searches based on user preferences, past searches, and style choices, identifying relevant content that aligns with their specific design aesthetic.

**Example:** A designer searching for "furniture layouts" can be presented with results tailored to their previously saved inspiration boards, which might favor minimalist Scandinavian styles. This eliminates irrelevant results and saves time spent filtering through broad search queries.

DESIGN

## Visual Search & Similarity Detection

Gen AI allows designers to upload images or sketches and find similar designs, materials, or color palettes across various online resources.

**Example:** A designer struggling to find a specific fabric pattern can upload a picture of a similar pattern and receive suggestions for similar or complementary fabrics, saving them valuable research time.



**Gen AI can tailor design searches based on user preferences efficiently**



# SEARCH AGENTS

Generative AI Chat Agent use cases in the legal industry

<p>LEGAL</p>	<p><b>Enhanced Legal Research</b></p> <p>Gen AI assists lawyers in legal research by understanding their search intent, analyzing vast amounts of legal data, and surfacing relevant case law, statutes, and legal opinions.</p> <p><i>Example: A lawyer researching a patent infringement case can utilize an AI-powered legal research tool. They can enter keywords and specific details, and the AI can analyze legal databases, identify relevant case precedents, and present summaries or excerpts highlighting key points.</i></p>
<p>LEGAL</p>	<p><b>Predictive Search &amp; Case Recommendations</b></p> <p>Gen AI analyzes past legal work, similar cases, and client needs to predict relevant case law and legal resources lawyers might need during specific situations.</p> <p><i>Example: When preparing for a contract negotiation, a lawyer can utilize an AI tool that analyzes their past successful contracts and relevant legal precedents. Based on these factors, the AI can recommend similar cases, legal clauses, and potential negotiation strategies, aiding in informed decision-making.</i></p>



**Gen AI aids lawyers with legal research, analyzing data comprehensively**



# DATA **ANALYSIS** AGENTS

**USE CASES & EXAMPLES**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in the automotive industry

<p><b>AUTOMOTIVE</b></p>	<p><b>Supply Chain Management</b></p> <p>AI streamlines logistics and supply chain operations by predicting demand, optimizing inventory, and improving delivery schedules.</p> <p><i>Example: AI can help to monitor and adjust supply chain routes in real-time based on changing market conditions and production requirements.</i></p>
<p><b>AUTOMOTIVE</b></p>	<p><b>Personalized In-Car Entertainment and Assistance</b></p> <p>Generative AI can deliver personalized entertainment options and assistance to passengers based on their preferences and contextual cues.</p> <p><i>Example: An automotive infotainment system powered by Generative AI tailors content recommendations and assistance based on passengers' past interactions and current context. For instance, the system suggests music playlists, audiobooks, or podcasts based on passengers' listening history and current mood.</i></p>
<p><b>AUTOMOTIVE</b></p>	<p><b>Driver Monitoring</b></p> <p>AI algorithms can <u>monitor driver behavior</u>, detecting signs of fatigue or distraction and providing alerts or interventions to prevent accidents.</p> <p><i>Example: AI can help analyze driver data and adjust vehicle settings based on the driver's condition, ensuring a safe and comfortable driving experience.</i></p>
<p><b>AUTOMOTIVE</b></p>	<p><b>Dealer Performance Analysis</b></p> <p>Analyzes sales, customer feedback, and operations to enhance dealer efficiency and drive targeted business growth strategies.</p> <p><i>Example: By feeding sales data, customer feedback from surveys and reviews, as well as operational metrics such as inventory turnover rates and employee productivity, into the AI system, a manufacturer can gain actionable insights. These reveal which dealerships are excelling in sales and customer satisfaction, pinpoint areas of improvement, and provide recommendations for optimizing operations and driving targeted business growth strategies.</i></p>

# DATA ANALYSIS AGENTS

Generative AI Agent use cases in real estate

<p><b>REAL ESTATE</b></p>	<p><b>Efficient Data Processing</b></p> <p>Gen AI excels at processing diverse real estate documents, and extracting and organizing data efficiently. This minimizes manual data entry, reduces errors, and enhances record-keeping accuracy.</p> <p><i>Example: AI can build cognitive technologies for the mortgage industry, automating the extraction of relevant information from loan papers, streamlining processes, and improving overall efficiency.</i></p>
<p><b>REAL ESTATE</b></p>	<p><b>AI-Powered Property Analysis</b></p> <p>Gen AI processes vast datasets to conduct thorough property analysis. It considers factors such as location, amenities, and market trends to provide accurate valuations and investment insights.</p> <p><i>Example: Utilizing AI to analyze historical data can help identify lucrative investment opportunities in the real estate market.</i></p>
<p><b>REAL ESTATE</b></p>	<p><b>Efficient Transactions</b></p> <p>Gen AI optimizes real estate transactions by automating processes like document verification and contract management.</p> <p><i>Example: AI-driven data analytics can help in making informed decisions, while virtual assistants provide personalized customer support.</i></p>



**Gen AI can help buyers  
identify lucrative  
investment  
opportunities in the real  
estate market**

# DATA ANALYSIS AGENTS

Generative AI agent use cases in human resource management

HR	<p><b>Efficient Recruiting</b></p> <p>Gen AI aids HR departments in talent acquisition by analyzing resumes and matching them with job descriptions, streamlining the recruitment process.</p> <p><i>Example: AI can help parse resumes and generate lists of ideal candidates, saving time and ensuring thorough candidate evaluation without human error.</i></p>
HR	<p><b>Reviewing Employee Performances</b></p> <p>Gen AI in HR can utilize data to track and analyze employee performance.</p> <p><i>Example: An AI-powered system can assess completed tasks, project involvement, and peer feedback. During performance reviews, managers receive comprehensive reports, highlighting strengths, areas for improvement, and overall progress, ensuring objective and fair evaluations.</i></p>
HR	<p><b>Workforce Planning Solutions</b></p> <p>Gen AI can also help an HR executive analyze workforce data and predict future hiring needs based on current skills, industry trends, and company growth plans.</p> <p><i>Example: By forecasting roles needed for the next year, executives can strategically plan hiring to ensure the company maintains the right talent.</i></p>
HR	<p><b>HR Schedule Optimization</b></p> <p>AI can optimize worker schedules in HR by analyzing operational data and scheduling constraints.</p> <p><i>Example: It can automate intraday management, reducing administrative burden and ensuring optimal staffing levels aligned with production volumes or foot traffic, enhancing business performance and minimizing labor costs.</i></p>

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in the procurement industry

<b>PROCUREMENT</b>	<p><b>Automated Supplier Risk Management</b></p> <p>Gen AI analyzes data from various sources like financial reports, news articles, and social media to identify potential risks associated with suppliers, enabling proactive mitigation strategies.</p> <p><i><b>Example:</b> An AI system can analyze supplier data, monitor news feeds for relevant events, and identify potential financial instability, legal issues, or reputational risks associated with a supplier. This can help procurement teams make informed decisions and avoid potential disruptions in the supply chain.</i></p>
<b>PROCUREMENT</b>	<p><b>Enhanced Contract Analysis and Negotiation</b></p> <p>Gen AI analyzes past contracts, market trends, and supplier data to identify negotiation opportunities, optimize contract terms, and ensure compliance with regulations.</p> <p><i><b>Example:</b> An AI tool can analyze past contract data and identify areas where better terms were secured. It can also analyze market data on pricing and industry standards to suggest negotiation strategies and ensure compliance with relevant procurement regulations.</i></p>



**Gen AI automates supplier risk management by analyzing financial, news, and social data to identify potential risks**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in the energy industry

<b>ENERGY</b>	<p><b>Fraud Detection &amp; Cybersecurity Enhancement</b></p> <p>Gen AI can analyze energy consumption data and help identify anomalies to detect potential fraud attempts, theft, or meter tampering, improving security and reducing energy losses.</p> <p><i>Example: By analyzing individual consumption patterns and comparing them to historical data and weather conditions, Gen AI can identify unusual spikes or sudden drop-offs in energy usage, potentially indicating unauthorized activity or meter manipulation.</i></p>
<b>ENERGY</b>	<p><b>Impact Assessment &amp; Sustainability Initiatives</b></p> <p>Gen AI analyzes environmental data and energy consumption data to assess the environmental impact of different energy sources and optimize sustainability initiatives, promoting cleaner and more sustainable energy production.</p> <p><i>Example: By analyzing data from various sources, Gen AI can compare the carbon footprint of different energy generation methods and identify areas for improvement. This information can be used to optimize energy production processes and select the most sustainable energy sources, minimizing environmental impact.</i></p>



**Gen AI enhances cybersecurity by analyzing energy consumption data for anomalies**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in the insurance industry

<b>INSURANCE</b>	<p><b>Enhanced Risk Assessment &amp; Underwriting</b></p> <p>Gen AI analyzes vast amounts of data from various sources, including customer demographics, claims history, and external data sets, to provide a more accurate and nuanced risk assessment for insurance products.</p> <p><i>Example: By analyzing driving patterns, weather data, and vehicle maintenance records, AI can predict the likelihood of accidents for auto insurance applicants, leading to more accurate risk assessment and personalized premium quotes.</i></p>
<b>INSURANCE</b>	<p><b>Personalized Policy Recommendations &amp; Upselling</b></p> <p>Gen AI analyzes customer data and past interactions to recommend tailored insurance products and identify upselling opportunities that meet individual needs.</p> <p><i>Example: Based on a customer's home size, location, and security features, AI can recommend additional coverage options like water damage or theft protection, leading to increased customer satisfaction and potential revenue growth.</i></p>



**Gen AI enhances risk assessment by analyzing diverse data sources**



# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in retail & ecommerce

<b>RETAIL</b>	<p><b>Personalized Pricing &amp; Dynamic Promotions</b></p> <p><i>Gen AI analyzes real-time market data, competitor pricing, and customer behavior to personalize pricing and offers targeted promotions, maximizing profitability and customer satisfaction.</i></p> <p><b>Example:</b> <i>An online travel agency can use AI to adjust hotel prices based on real-time demand, competitor offerings, and individual customer preferences. This allows them to offer competitive pricing while maximizing profit margins, while also delivering personalized deals that cater to specific customer budgets and travel needs.</i></p>
<b>RETAIL</b>	<p><b>Predictive Demand Forecasting &amp; Inventory Optimization</b></p> <p><i>Gen AI analyzes historical sales data, market trends, and external factors to predict future demand for specific products, optimize inventory levels, and avoid stock outs or overstocking.</i></p> <p><b>Example:</b> <i>An AI system can analyze weather forecasts, social media trends, and historical sales data to predict a surge in demand for sunglasses before summer. This allows retailers to pre-order the appropriate amount of stock, preventing lost sales due to stockouts and avoiding unnecessary storage costs associated with overstocking.</i></p>



**Gen AI optimizes pricing and promotions using real-time data analysis**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in banking & finance

<b>FINANCE</b>	<p><b>Personalized Financial Product Recommendations</b></p> <p>Gen AI can help analyze customer data, financial goals, and market trends to recommend personalized financial products and services, such as investment portfolios, insurance plans, and credit options.</p> <p><i><b>Example:</b> By analyzing a customer's financial history, income, and risk tolerance, an AI-powered recommendation engine can suggest suitable investment options, insurance plans, and personalized savings goals aligned with their financial profile.</i></p>
<b>BANKING</b>	<p><b>Data-driven Market Analysis &amp; Forecasting</b></p> <p>Gen AI can analyze historical financial data, market trends, and economic indicators to predict future market movements and inform investment decisions.</p> <p><i><b>Example:</b> Be it vast amounts of financial data or market trends, AI algorithms can analyze them. This helps in identifying patterns and predicting potential market fluctuations. With the help of AI, banks and financial institutions can make data-driven investment decisions and manage their portfolios more effectively.</i></p>



**Gen AI analyzes data, goals and trends to help you recommend personalized financial products/services**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in the healthcare industry

<p>HEALTHCARE</p>	<p><b>Text Analysis &amp; Information Extraction</b></p> <p>Gen AI analyzes large volumes of scientific literature, medical records, and clinical notes to extract relevant information, identify trends, and generate insights to support research and clinical decision-making.</p> <p><i>Example: An AI tool can analyze thousands of research papers to identify potential drug repurposing opportunities, where existing drugs can be used to treat new diseases, accelerating research and potentially leading to new treatment options.</i></p>
<p>HEALTHCARE</p>	<p><b>Personalized Health Management &amp; Patient Engagement</b></p> <p>Gen AI utilizes patient data and health trackers to personalize recommendations for medication adherence, healthy lifestyle choices, and preventive care measures, promoting patient engagement and improving overall health outcomes.</p> <p><i>Example: An AI-powered app can analyze a patient's sleep patterns, activity levels, and medication intake to provide personalized recommendations for improving health habits and managing chronic conditions, empowering patients to take a more active role in their health.</i></p>



**Gen AI analyzes text, extracts insights from medical records, aiding research**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in design

<b>DESIGN</b>	<p><b>Design Trend Forecasting</b></p> <p>Gen AI analyzes vast amounts of data from social media, fashion shows, and consumer research to predict upcoming design trends and inform design decisions.</p> <p><i>Example: An AI tool can analyze social media posts and fashion runways to identify emerging color palettes, patterns, and design styles. It can then provide designers with insights and recommendations to stay ahead of the curve.</i></p>
<b>DESIGN</b>	<p><b>Data-Driven Color Palette Generation</b></p> <p><u>Gen AI analyzes various data sources, including brand guidelines, target audience preferences, and competitor color schemes, to generate data-driven and brand-aligned color palettes for designers.</u></p> <p><i>Example: An AI tool can consider a brand's logo, target audience demographics, and competitor color palettes to suggest a range of complementary and brand-consistent color combinations for various design projects.</i></p>



**Gen AI predicts trends from social media, fashion shows, and research**

# DATA ANALYSIS AGENTS

Generative AI Chat Agent use cases in the legal industry

<p>LEGAL</p>	<p><b>Predictive Analytics &amp; Case Law Research</b></p> <p>Gen AI analyzes historical legal data and case law to predict potential case outcomes, identify relevant precedents, and suggest research directions for lawyers.</p> <p><i>Example: A lawyer preparing for a patent infringement case can use Gen AI to analyze past rulings on similar cases, identify factors influencing successful arguments, and predict the potential range of outcomes based on historical trends.</i></p>
<p>LEGAL</p>	<p><b>Data Privacy &amp; Compliance Management</b></p> <p>Gen AI assists with data privacy and compliance by identifying and classifying personal data within legal documents and systems, helping organizations comply with regulations like GDPR and CCPA.</p> <p><i>Example: A law firm can use Gen AI to scan internal documents and identify instances of personal data, such as names and social security numbers, ensuring compliance with data protection regulations and minimizing the risk of data breaches.</i></p>



**Gen AI analyzes legal data to predict case outcomes for lawyers**

[Explore Lyzr's Data Analyser tool here.](#)



# **GEN AI** CONTENT GENERATORS

**USE CASES & EXAMPLES**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in human resource management

## AUTOMOTIVE

### Marketing Copy Generation

AI can help automate the creation of compelling marketing copies for blogs, websites, social media, and product documents.

**Example:** A car manufacturer launching a new electric vehicle can use generative AI to swiftly generate attention-grabbing headlines, product descriptions, and call-to-action statements. This streamlines content creation and improves marketing campaign effectiveness.

**Gen AI helps analyze audience data and can generate engaging content for marketing**



# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in human resource management

REAL ESTATE

## AI-Generated Content

Gen AI for content in real estate streamlines marketing efforts by autonomously creating diverse content such as property descriptions and listings.

*Example: Employing AI to craft creative property ads for social media platforms, saving time and resources while ensuring engaging and consistent marketing materials reach potential buyers efficiently.*



**Gen AI can help in creating property ads for social media platforms**



# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in human resource management

<p><b>HR</b></p>	<p><b>Marketing Content</b></p> <p>Gen AI can help analyze audience and social media data, and can help generate content that resonates with target audiences and drives engagement.</p> <p><i><b>Example:</b> An AI marketing tool can analyze audience demographics, interests, and online behavior to identify trending topics and popular formats. It can then generate blog post drafts and social media captions that address these topics and cater to audience preferences, optimizing content for higher engagement and reach.</i></p>
<p><b>HR</b></p>	<p><b>Personalized Learning &amp; Development Courses</b></p> <p>Gen AI personalizes learning materials and creates tailored training content for employees based on their skills, performance gaps, and career goals.</p> <p><i><b>Example:</b> A new marketing employee needs to improve their social media marketing skills. Gen AI can analyze their performance data and training materials to create a personalized course that focuses on relevant topics like content creation, analytics, and campaign management.</i></p>



**Gen AI can analyze performance data and training materials to create a personalized courses**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in the procurement industry

<b>PROCUREMENT</b>	<p><b>AI-Powered Market Research &amp; Trend Analysis</b></p> <p>Gen AI gathers and analyzes market data, industry trends, and competitor pricing to inform content creation for procurement strategies and supplier communication.</p> <p><i>Example: An AI can monitor market news, analyze pricing trends, and identify emerging technologies relevant to the procurement category. This information can be used to create reports and insights, informing procurement strategy discussions and supplier negotiations.</i></p>
<b>PROCUREMENT</b>	<p><b>Data-Driven Marketing Content for Supplier Engagement</b></p> <p>Gen AI analyzes data on your procurement needs, supplier capabilities, and industry trends to create targeted marketing content that attracts and engages high-performing suppliers.</p> <p><i>Example: Based on upcoming project requirements and supplier expertise, Gen AI can generate blog posts or social media content highlighting your company's commitment to sustainable practices or innovative procurement methods. This can attract suppliers who share your values and capabilities.</i></p>

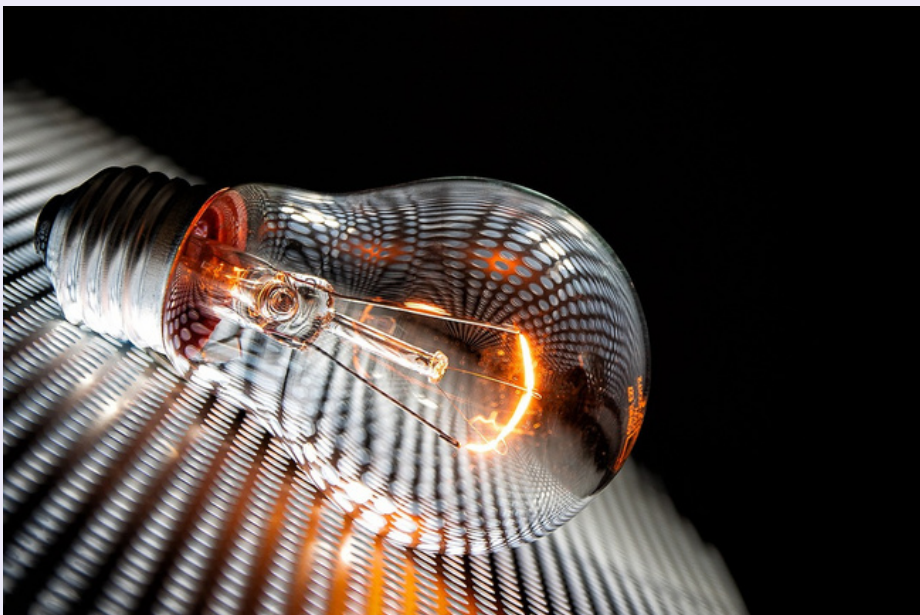


**Gen AI can conduct market research, analyze trends, and inform strategies**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in the energy industry

<p><b>ENERGY</b></p>	<p><b>Proactive Content Marketing &amp; Outreach</b></p> <p>Gen AI can assist in creating targeted content and communication strategies to engage customers and promote renewable energy adoption.</p> <p><i>Example: AI can identify relevant industry trends, analyze audience demographics, and suggest content ideas for blog posts, social media campaigns, or email marketing. It can even personalize communication with customers, offering targeted educational resources or promoting relevant products and services.</i></p>
<p><b>ENERGY</b></p>	<p><b>Automated Report Generation &amp; Analysis</b></p> <p>Gen AI automates the generation and analysis of complex energy reports, saving time and resources for energy analysts and engineers.</p> <p><i>Example: AI can automatically generate reports on renewable energy production, power grid performance, or customer usage trends, extracting key insights and identifying areas for improvement or optimization. This allows human experts to focus on higher-level analysis and strategic decision-making.</i></p>



**Gen AI aids in targeted content creation, engaging customers for renewables**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in the insurance industry

<b>INSURANCE</b>	<p><b>Personalized Policy Explanations &amp; Brochures</b></p> <p>Gen AI personalizes policy explanations and brochures based on customer information, risk profiles, and coverage choices, improving comprehension and engagement.</p> <p><i>Example: A customer receives a car insurance policy explanation tailored to their specific vehicle type, driving record, and chosen coverage options. This personalized explanation highlights relevant coverages, exclusions, and policy limits in clear and concise language, aiding understanding and reducing confusion.</i></p>
<b>INSURANCE</b>	<p><b>Customized Marketing &amp; Risk Prevention Content</b></p> <p>Gen AI can help generate personalized marketing content and risk prevention tips based on customer profiles and risk factors, increasing engagement and promoting proactive risk mitigation.</p> <p><i>Example: An AI system can analyze a homeowner's insurance data and generate personalized content highlighting common risks associated with their property type and location. It might offer tips on home security, fire safety, or weatherproofing measures, potentially lowering the risk of future claims and fostering customer engagement.</i></p>



**Gen AI can help customize policy explanations and brochures, enhancing comprehension and engagement**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in retail & ecommerce

<b>RETAIL</b>	<p><b>Personalized Product Descriptions</b></p> <p>Gen AI generates unique and informative product descriptions that are personalized to individual customer preferences and purchase history, enhancing customer experience and boosting conversions.</p> <p><i>Example: A customer browsing for shoes frequently views athletic styles. Gen AI can create product descriptions for similar shoes, highlighting their performance features and athletic benefits, while tailoring details like color availability and sizing information based on the customer's usual preferences.</i></p>
<b>RETAIL</b>	<p><b>Automated &amp; Optimized Ad Copy Generation:</b></p> <p>Gen AI creates and optimizes ad copy for various platforms (social media, search engines) based on target audience demographics, competitor analysis, and best practices, maximizing ad reach and click-through rates.</p> <p><i>Example: An AI tool can analyze competitor ad campaigns and successful marketing trends to generate different ad copy variations for social media platforms like Facebook or Instagram. It can then test these variations, optimize the most effective ones, and personalize ad language based on specific demographics for increased engagement and conversions.</i></p>



**Personalize product descriptions based on customer preferences, boosting conversions, by leveraging Gen AI**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in banking & finance

## FINANCE

### Data-Driven Financial News & Content Curation

Gen AI aggregates and curates financial news and content from various sources, tailoring information feeds to individual user preferences and investment interests.

**Example:** A mobile banking app utilizes AI to analyze user financial holdings and news preferences, providing personalized news feeds highlighting relevant industry developments, company reports, and economic news impacting their investments.

## BANKING

### Personalized Financial Literacy Resources

Gen AI personalizes financial literacy content based on individual needs and financial goals, helping customers understand complex financial concepts and make informed decisions.

**Example:** A customer interested in investing for retirement can interact with a chatbot that uses their age, income, and risk tolerance to recommend specific investment options and generate personalized educational content explaining different investment strategies and their potential benefits and risks.

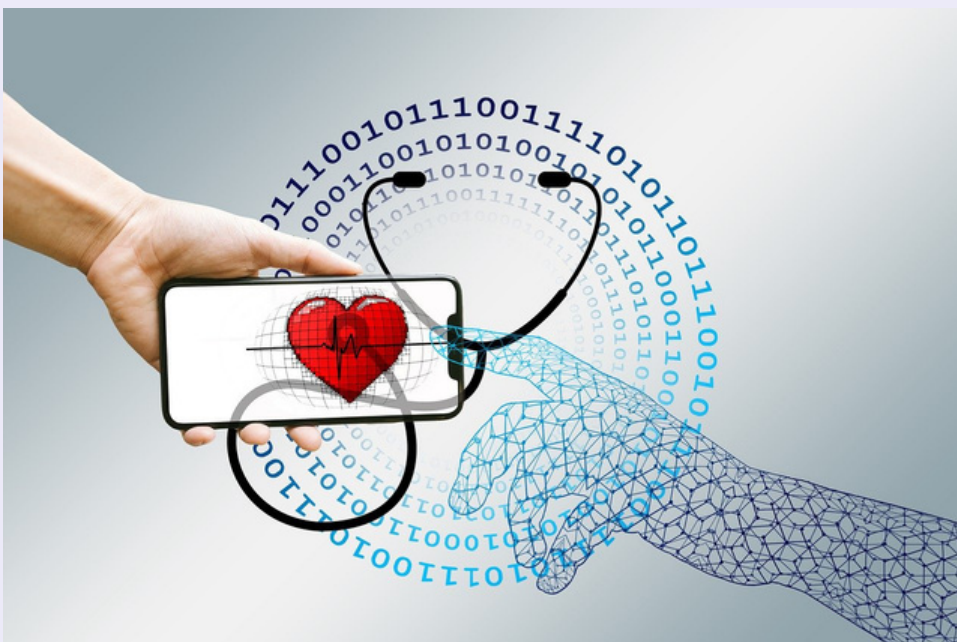


**Gen AI curates financial news, tailoring feeds to users**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in the healthcare industry

<b>HEALTHCARE</b>	<p><b>Patient-Centric Content Creation for Clinical Trials</b></p> <p>Gen AI generates patient-centric information materials and consent forms for clinical trials, ensuring clarity, comprehensibility, and informed decision-making for potential participants.</p> <p><i>Example: Gen AI can craft informed consent forms for clinical trials, explaining the study procedures, potential risks and benefits, and participant rights in clear and concise language, tailored to the target patient population and their specific needs and concerns.</i></p>
<b>HEALTHCARE</b>	<p><b>Personalized Patient Education Materials</b></p> <p>Gen AI personalizes patient education materials, tailoring information to specific conditions, demographics, and learning styles, improving patient understanding and engagement.</p> <p><i>Example: A patient diagnosed with diabetes receives personalized educational materials explaining the condition in plain language, tailored to their age, preferred learning style (e.g., visual vs. text-based), and cultural background.</i></p>



**Gen AI creates patient-centric trial materials, ensuring clarity**

# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in design

<p><b>DESIGN</b></p>	<p><b>Generate Initial Design Concepts &amp; Layouts</b></p> <p>Gen AI can assist designers by generating multiple initial design concepts and layout variations based on user input, style preferences, and brand guidelines.</p> <p><i>Example:</i> A designer working on a website redesign can input their target audience, desired tone, and brand colors. Gen AI can then generate several different homepage layouts and mockups, providing a diverse starting point for further refinement.</p>
<p><b>DESIGN</b></p>	<p><b>Assist with Content Creation for Social Media Posts &amp; Ads</b></p> <p>Gen AI can generate social media post ideas, captions, and ad copy based on audience demographics, content calendars, and trending topics, assisting designers in creating engaging social media content.</p> <p><i>Example:</i> An AI tool can analyze past social media performance data to suggest relevant topics and formats for upcoming posts. It can also generate draft captions with various tones and lengths, allowing designers to choose and adapt the best option for each platform.</p>



**Gen AI can generate diverse initial design concepts based on preferences**




# GEN AI CONTENT GENERATORS

Generative AI Chat Agent use cases in the legal industry

<p><b>LEGAL</b></p>	<p><b>Automating Legal Research &amp; Summarization</b></p> <p>Gen AI scans vast legal databases, case law, and legal documents to identify relevant information, summarize key findings, and extract crucial details, saving lawyers significant research time.</p> <p><i>Example: When preparing for a case, a lawyer can input keywords or specific legal issues into a Gen AI tool. The AI can then search through a vast amount of legal data, identify relevant case precedents, and generate summaries highlighting key arguments, rulings, and legal reasoning. This can significantly reduce research time and ensure a comprehensive understanding of relevant legal precedents.</i></p>
<p><b>LEGAL</b></p>	<p><b>Optimizing Legal Website Content &amp; Blog Posts</b></p> <p>Gen AI analyzes target audience data, industry trends, and competitor content to optimize legal website content and blog posts for better search engine ranking, increasing online visibility and attracting potential clients.</p> <p><i>Example: A law firm's website can utilize Gen AI to analyze current content and identify opportunities for improvement. The AI can suggest relevant keywords, optimize content structure, and identify trending legal topics to inform the creation of engaging blog posts that address client needs and rank higher in search engine results, increasing overall website traffic and potential client reach.</i></p>



**Gen AI automates legal research, extracting key details efficiently**



# **GEN AI-POWERED** AUTOMATION AGENTS

USE CASES & EXAMPLES

# AUTOMATION AGENTS

Generative AI Chat Agent use cases in the automotive industry

<b>AUTOMOTIVE</b>	<p><b>Design Optimization</b></p> <p>AI facilitates the design optimization process by generating and evaluating multiple design iterations to improve vehicle performance and efficiency.</p> <p><i>Example: Applying AI techniques like <u>few-shot prompting</u> to explore various design alternatives for aerodynamics and energy efficiency, accelerating the development of next-generation vehicle models.</i></p>
<b>AUTOMOTIVE</b>	<p><b>Supply Chain Management</b></p> <p>AI streamlines logistics and supply chain operations by predicting demand, optimizing inventory, and improving delivery schedules.</p> <p><i>Example: AI can help to monitor and adjust supply chain routes in real-time based on changing market conditions and production requirements.</i></p>
<b>AUTOMOTIVE</b>	<p><b>Predictive Maintenance</b></p> <p>AI <u>predicts equipment failures and maintenance needs</u>, minimizing downtime and reducing maintenance costs.</p> <p><i>Example: Employing zero-shot prompting to analyze vehicle sensor data and predict potential mechanical issues before they occur, enabling proactive maintenance scheduling.</i></p>
<b>AUTOMOTIVE</b>	<p><b>Autonomous Vehicles</b></p> <p>AI enables self-driving capabilities in vehicles, reducing human intervention and enhancing safety on the roads.</p> <p><i>Example: Applying chain of thought prompting to guide autonomous vehicles through complex traffic scenarios, allowing them to make informed decisions based on a logical reasoning process.</i></p>

# AUTOMATION AGENTS

Generative AI Chat Agent use cases in real estate

<p><b>REAL ESTATE</b></p>	<p><b>Property Valuation and Pricing</b></p> <p>Gen AI in real estate excels in property valuation and pricing by analyzing extensive data to generate accurate and unbiased valuations.</p> <p><i>Example: An AI system can efficiently process MLS listings, public records, and neighborhood demographics to estimate a property's market value. This automation saves realtors valuable time and resources, offering more efficient and reliable valuation methods compared to traditional approaches.</i></p>
<p><b>REAL ESTATE</b></p>	<p><b>Lead Nurturing &amp; Conversion</b></p> <p>AI-generated content in real estate with Gen AI can revolutionize lead nurturing and conversion by personalizing communication with potential buyers and tenants.</p> <p><i>Example: Using natural language processing, AI can understand individual preferences and automatically send targeted emails, answer questions, and schedule appointments.</i></p>
<p><b>REAL ESTATE</b></p>	<p><b>Document Generation &amp; Review</b></p> <p>AI-generated content in real estate automates the creation and review of standard documents, enhancing efficiency and accuracy.</p> <p><i>Example: Gen AI can automatically generate offer letters, contracts, and leases using predefined templates and transaction details. It also identifies potential errors and suggests edits, ensuring documents are error-free and compliant with regulations.</i></p>
<p><b>REAL ESTATE</b></p>	<p><b>Property Maintenance &amp; Repairs</b></p> <p>Gen AI content in real estate excels in property maintenance and repairs. By analyzing sensor data, it predicts maintenance issues before they occur, minimizing downtime and costs.</p> <p><i>Example: AI monitors building systems, detects problems like leaky pipes, and schedules repairs, ensuring tenant comfort and preventing costly breakdowns.</i></p>

# AUTOMATION AGENTS

Generative AI Chat use cases in human resource management

HR	<p><b>Employee Training &amp; Development</b></p> <p>Gen AI in HR utilizes conversational analytics to customize employee training. By analyzing performance data and feedback, it tailors programs to align with both individual aspirations and company goals.</p> <p><i>Example: AI can help identify skill gaps and design targeted courses for career advancement.</i></p>
HR	<p><b>Streamlined Onboarding and Offboarding Processes</b></p> <p>Gen AI automates repetitive tasks like scheduling meetings, sending welcome emails, and collecting new hire paperwork, streamlining onboarding and offboarding processes and reducing administrative burdens on HR teams.</p> <p><i>Example: An AI assistant can automatically schedule onboarding meetings, send personalized welcome messages to new hires, and guide them through online forms and paperwork during the onboarding process. Similarly, during offboarding, it can automatically send exit interview surveys and collect company equipment.</i></p>
HR	<p><b>Automated Interview Scheduling &amp; Communication</b></p> <p>Gen AI facilitates interview scheduling by suggesting available time slots, sending interview invitations, managing candidate communication, minimizing manual effort and ensuring a smooth interview experience.</p> <p><i>Example: An AI scheduling tool can suggest mutually available time slots based on candidate and interviewer calendars, send automated interview invitations, and handle candidate communication regarding scheduling changes or interview reminders.</i></p>

# AUTOMATION AGENTS

Generative AI Agent use cases in the procurement industry

PROCUREMENT

## Automated Invoice Processing & Data Extraction

Gen AI extracts data from invoices, purchase orders, and contracts with high accuracy, reducing manual effort and improving data quality for better spend analysis and budgeting.

*Example: An AI-powered platform can automatically capture data like vendor names, invoice amounts, line items, and due dates from various document formats. This eliminates manual data entry errors and saves procurement teams significant time and resources.*

PROCUREMENT

## Automated PO Generation & Approval Workflow

Gen AI streamlines purchase order (PO) generation and approval workflows by automating data entry, routing approvals, and notifying relevant stakeholders, ensuring a quicker and more efficient procurement process.

*Example: Based on predefined rules and approval matrices, AI can automatically generate POs based on approved requisitions, route them to relevant approvers, and send notifications for timely approvals. This reduces manual tasks, minimizes delays, and improves overall process efficiency.*



**Gen AI can extract data accurately, improving spend analysis and budgeting**

# AUTOMATION AGENTS

Generative AI Agent use cases in the energy industry

<b>ENERGY</b>	<p><b>Predictive Maintenance &amp; Asset Optimization</b></p> <p>Gen AI analyzes sensor data from wind turbines, solar panels, and other energy infrastructure to predict potential equipment failures and optimize maintenance schedules, reducing downtime and costs.</p> <p><i>Example: By analyzing historical data and real-time sensor readings, Gen AI can identify patterns and predict when a specific wind turbine component is likely to fail. This allows for proactive maintenance, preventing costly downtime and ensuring optimal energy production.</i></p>
<b>ENERGY</b>	<p><b>Renewable Energy Integration &amp; Resource Management</b></p> <p>Gen AI optimizes the integration of renewable energy sources like solar and wind power into the grid by forecasting variable weather patterns and optimizing energy storage systems, ensuring grid stability and maximizing renewable energy utilization.</p> <p><i>Example: Gen AI can analyze historical and real-time data from wind and solar farms to predict fluctuations in energy generation based on weather patterns. This information can be used to optimize energy storage and transmission operations, ensuring grid stability even with variable renewable energy sources.</i></p>



**Gen AI can help predict failures, optimize maintenance, and reduce downtime**

# INSURANCE

# AUTOMATION AGENTS

Generative AI Agent use cases in the insurance industry

## INSURANCE

### Streamlined Claims Processing

Gen AI automates tasks like data extraction, document verification, and fraud detection, accelerating claims processing and improving efficiency.

***Example:** An AI system can analyze accident reports, medical records, and photos submitted with a claim. It can extract relevant details, verify authenticity, and flag potential inconsistencies for further investigation, ultimately speeding up the claims process and reducing manual workload for adjusters.*

## INSURANCE

### Fraud Detection and Prevention

Gen AI analyzes claim data and identifies patterns or anomalies that might indicate fraudulent activity, mitigating financial losses for insurers.

***Example:** An AI system can analyze claim patterns, compare data across different sources, and flag suspicious claims for human review. This can help insurers prevent fraudulent claims early on and protect their resources.*



**Gen AI can help automate tasks, verify documents, and accelerate claims processing**



# AUTOMATION AGENTS

Generative AI Agent use cases in retail & ecommerce

<b>RETAIL</b>	<p><b>Personalized Product Recommendations &amp; Upselling</b></p> <p>Gen AI analyzes customer purchase history, browsing behavior, and demographic data to recommend relevant products, leading to increased customer satisfaction and sales.</p> <p><i>Example: While browsing for a new laptop, a customer receives personalized recommendations for accessories like a case, mouse, or external hard drive based on their chosen laptop model and previous purchases. This personalized approach can increase the chance of upselling and cross-selling products.</i></p>
<b>RETAIL</b>	<p><b>Image/Video Recognition for Product Recommendation</b></p> <p>Gen AI utilizes image and video recognition technology to enable visual search functionalities and personalized product recommendations based on uploaded images or video recordings.</p> <p><i>Example: A customer can upload a picture of a desired product to a retailer's app, and the AI system can identify similar products or recommend complementary items based on visual features and associated data.</i></p>



**Gen AI analyzes data,  
recommends products,  
and boosts sales  
effectively**

# AUTOMATION AGENTS

Generative AI Chat Agent use cases in banking & finance

<b>FINANCE</b>	<p><b>Automated Back-Office Processes</b></p> <p>Gen AI automates repetitive tasks like data entry, document processing, and form verification, freeing up employee time for more strategic tasks and improving operational efficiency.</p> <p><i>Example: Gen AI can extract information from loan applications, verify documents, and upload data into the system, automating manual processes currently handled by back-office staff. This allows them to focus on more complex tasks like reviewing loan applications and providing customer support.</i></p>
<b>BANKING</b>	<p><b>Regulatory Compliance Automation</b></p> <p>Gen AI automates tasks related to regulatory compliance by analyzing regulations, identifying potential compliance risks, and generating reports, ensuring adherence to financial regulations and mitigating risk exposure.</p> <p><i>Example: Gen AI can monitor financial transactions for potential breaches of anti-money laundering and know-your-customer (KYC) regulations. It can also generate reports to help banks comply with complex regulatory requirements and maintain transparency.</i></p>



**Gen AI automates tasks, verifies documents, and enhances operational efficiency**

# AUTOMATION AGENTS

Generative AI Agent use cases in the healthcare industry

<b>HEALTHCARE</b>	<p><b>Automated Patient Data Analysis</b></p> <p>Gen AI analyzes large datasets of patient medical records, images, and genomic data to identify trends, predict potential health risks, and personalize treatment plans.</p> <p><i>Example: AI systems can analyze a patient's medical history, lab results, and genetic data to identify potential risk factors for developing certain diseases, allowing for early intervention and preventive measures.</i></p>
<b>HEALTHCARE</b>	<p><b>Automated Administrative Tasks</b></p> <p>Gen AI automates routine administrative tasks like appointment scheduling, claims processing, and data entry, freeing up healthcare professionals to focus on patient care.</p> <p><i>Example: AI chatbots can manage appointment scheduling, answer patient questions about billing and insurance, and even pre-screen patients for symptoms, allowing healthcare staff to spend more time with patients who need their expertise.</i></p>



**Gen AI analyzes medical data, predicts risks and personalized treatments**

# AUTOMATION AGENTS

Generative AI Agent use cases in design

<b>DESIGN</b>	<p><b>Automating Repetitive Design Tasks</b></p> <p>Gen AI automates mundane and repetitive tasks in the design process, such as image resizing, color correction, or background removal, freeing up designer time for more creative and strategic work.</p> <p><i>Example: An AI can automatically resize images for different social media platforms, remove unwanted backgrounds from product photos, or apply consistent color corrections to entire photo sets. This eliminates tedious manual work and improves efficiency.</i></p>
<b>DESIGN</b>	<p><b>Automated Design System Maintenance</b></p> <p>Gen AI automates the maintenance of design systems, ensuring consistency, reducing human error, and freeing up designers for more strategic work.</p> <p><i>Example: An AI can automatically update design tokens (e.g., colors, fonts) across various design assets within a system when brand guidelines change. This reduces the risk of inconsistencies and ensures all components remain aligned with the updated guidelines.</i></p>



**Gen AI automates design tasks, freeing time for creative work**

# AUTOMATION AGENTS

Generative AI Agent use cases in the legal industry

<p><b>LEGAL</b></p>	<p><b>Legal Research &amp; Case Law Analysis</b></p> <p>Gen AI assists with legal research by analyzing vast case law databases, identifying relevant precedents, and summarizing key legal arguments, accelerating the research process and improving efficiency.</p> <p><i>Example: When researching a specific legal issue, Gen AI can search through countless court decisions and legal articles, extracting relevant case law, summarizing key arguments and rulings, and identifying potential legal precedents to support a case.</i></p>
<p><b>LEGAL</b></p>	<p><b>Legal Billing &amp; Time Management</b></p> <p>Gen AI automates legal billing processes by analyzing time spent on various tasks, generating invoices, and identifying potential billing errors, improving efficiency and reducing administrative burdens for legal teams.</p> <p><i>Example: By tracking the time a lawyer spends on specific tasks like drafting a brief or attending court hearings, Gen AI can automatically generate accurate and detailed invoices, reducing manual work and potential errors in billing.</i></p>



**Gen AI analyzes case law, identifies precedents, and accelerates legal research**

# AUTOMATE WITH LYZR

Lyzr supports AI automation by providing super-abstracted low-code SDKs, enabling rapid development of custom generative applications. With minimal coding required, users can automate various tasks such as creating chatbots, answering questions, developing knowledge bases, analyzing data, processing voice inputs, and generating formulas. This streamlines workflows, increases operational efficiency, and reduces the time and effort needed for manual intervention, ultimately empowering organizations to leverage Gen AI technology effectively for automation purposes.

## Free License

**\$0** (MIT LICENSE)

- ✓ MIT License
- ✓ Best for Prototypes, MVPs
- ✓ Community Support

GITHUB

## AI Agents

**\$399** / agent/month

- ✓ Fully-Integrated SDKs
- ✓ Locally Deployable
- ✓ SDK Secret Key Enabled
- ✓ Agent Analytics & Logs
- ✓ Access to Lyzr AIMS Portal
- ✓ 24\*7 Enterprise Support

BOOK DEMO

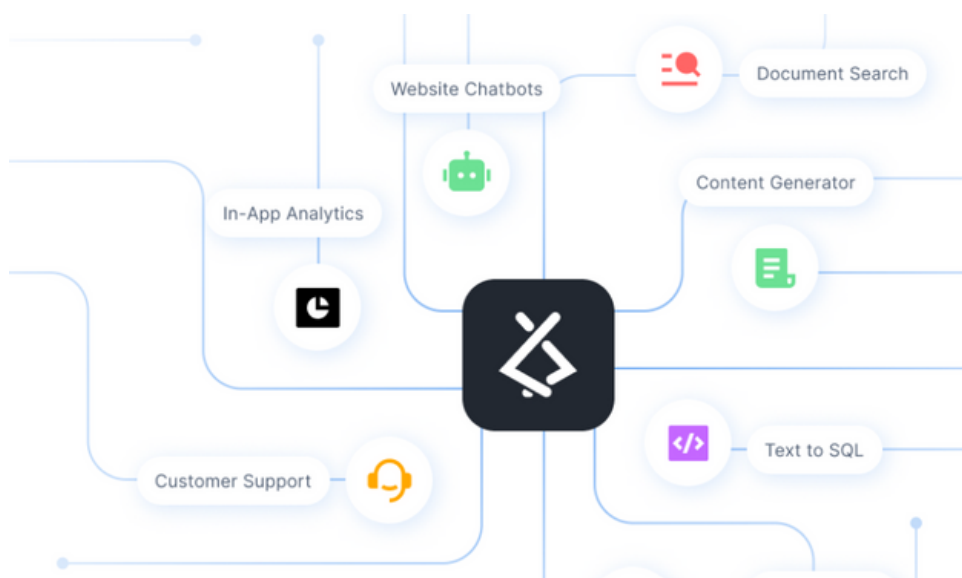
## Workflow Automation

**\$1999** / workflow/month

- ✓ 5 Agents per Workflow
- ✓ Advanced Workflow Analytics
- ✓ Locally Deployable
- ✓ SDK Secret Key Enabled
- ✓ Access to Lyzr AIMS Portal
- ✓ 24\*7 Enterprise Support

BOOK DEMO

**BOOK YOUR DEMO TODAY**



**PREPARED BY LYZR**  
**2024**