RATNAKSH TYAGI

Meerut, India | 9997668836 | ratnakshtyagi821@gmail.com | linkedin.com/in/ratnakshtyagi | github.com/ratnakshtyagi

Developed and deployed 3 AI/ML projects in Python, leveraging LLMs and data analysis to build intelligent assistants and automate 25% of business insights.

Designed and implemented intelligent assistants that automated 30% of business insights, resulting in increased productivity.

Technical Skills: Python, LLMs, prompt engineering, data analysis, and AI/ML development with expertise in building scalable models, delivering 95% model accuracy.

- Large Language Models • NLP • Data Visualization • Scikit-learn
- Prompt Engineering • Python • Data Cleaning • GCP
- SQL • MySQL • Pandas
- DAX • GenAI • Numpy

WORK EXPERIENCE

AI Engineer| Xapotech Systems Pvt Ltd, Noida 14/11/2023 - Present

- Analyzed complex datasets to identify key trends, patterns, and actionable insights, contributing to data-driven decision-making

for various client projects.

- Developed and deployed AI-driven anomaly detection systems to monitor business KPIs in real-time, identifying and flagging

critical metric deviations using statistical and machine learning techniques.

- Supported initiatives focused on improving operational efficiency and streamlining business processes through data analysis.
- Built an AI agent that generates pre-sales call reports by analyzing company websites and LinkedIn profiles using Relevance AI,

significantly reducing research time for sales teams.

- Engineered prompts for generative AI models to facilitate the creation of targeted reports and context-aware responses,

improving the relevance and speed of information retrieval.

- Prepared comprehensive reports and presentations, effectively communicating key findings and the impact of AI-driven analytical

solutions to stakeholders.

PROJECTS

Instant Doc Explainer |Python |Streamlit| AI/ML|LangChain| FAISS | Link

- Developed a conversational AI application for instant document analysis, allowing users to upload and query multiple file types

(PDF, DOCX, TXT) to extract key information and insights.

- Engineered a Retrieval-Augmented Generation (RAG) pipeline using LangChain, Groq's model, and FAISS vector search to enable

intelligent and accurate Q&A; on unstructured document content.

- Built an intuitive and responsive user interface with Streamlit, managing application state and providing a seamless, real-time chat

experience for interacting with the document-based knowledge base.

Business Kpi Bot Alert | Python|Pandas | Streamlit | Groq API | Link

- Built an AI-powered anomaly detection system to monitor business KPIs in real-time, leveraging statistical models and ML

techniques to identify and flag metric deviations.

Smart Calendar Scheduling Agent| AI/ML | Python | NLP | Flask | LLM | Link

● Developed and deployed an AI-powered calendar agent capable of managing Google Calendar events through natural
language conversations, significantly streamlining meeting coordination.
● Engineered a robust Python/Flask backend integrating with the Groq API for advanced Natural Language Understanding
(NLU) and intent recognition, enabling intelligent parsing of complex scheduling requests.
● Designed and built an intuitive, responsive chat interface using HTML, CSS, and JavaScript, providing users with a
conversational experience for scheduling and managing their time.

RT Sales Copilot Agent | Automation | Relevance AI | Prompt Engineering | Link
● Built an AI agent that generates pre-sales call reports by analyzing company websites and LinkedIn profiles using Relevance
AI, significantly reducing research time for sales teams.
● Automated the extraction of business context and prospect insights through a simple UI requiring only the company and
LinkedIn URLs, enabling fast, personalized sales preparation.

EDUCATION

Bachelor of Technology in Computer Science 07/2019 – 06/2023
Jaypee Institute of Information & Technology Noida-62

CERTIFICATIONS & ACHIEVEMENTS

● Generative AI - Udemy
Developed AI/ML projects in Python, leveraging LLMs and data analysis to automate business insights and build intelligent assistants.