




Naveen Kumar *Generative AI Developer*

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Education

Dumka Engineering College, B.Tech Jul 2018 – Jun 2022 | Dumka, Jharkhand, India
Under Govt. of Jharkhand and Run By Techno India, Kolkata, CGPA - 8.53

Professional Experience

Generative AI Developer, Persistent System Sep 2024 – present | Kolkata, India

- Developed and executed RAGAS metrics to evaluate generation model performance, ensuring high standards of response faithfulness, relevance, and context precision.
- Designed and implemented a RAG based conversational AI bot for Microsoft Azure using OpenAI GPT-4, enabling customer service representatives to efficiently handle peak-time tax queries.
- Technologies Used:** Python, LangChain, OpenAI LLM Models, RAG Applications, Prompt Engineering, Python Flask, SQL, Microsoft Azure, Vector Databases, Reinforcement Learning, Git.
- Collaborated with cross-functional teams to clarify business requirements and resolve critical bugs, enhancing team efficiency and ensuring timely project delivery within agile frameworks.

Generative AI Developer, Persistent System Jul 2022 – Sep 2024 | Nagpur, India

- Contributed to data migration from Teradata Vantage Express to BigQuery using the BigQuery Migration Agent and developed Teradata Parallel Transporter (TPT) scripts for data extraction and CSV file generation.
- Transferred extracted data to Google Cloud Storage and implemented Dataflow pipelines in Python to transform and load the data into BigQuery.
- Technologies Used:** GCP (Google Cloud Storage), BigQuery, Dataflow, Teradata, Python, Git
- Monitored and logged data processes, applying necessary transformations using the Apache Beam library.

Skills

Programming Languages — Python, SQL

Generative AI & ML — RAG, Prompt Engineering, Agentic AI, LangChain, Azure AI Services, Azure Bot Services, Vector Database - Azure Cognitive Service, ChromaDB etc; LLM Models- GPT, Ollama; ML Algorithms (Basic), PyTorch (Basic), MCP

Frameworks & Libraries — Flask, LangChain, LangGraph, Pandas, NumPy

Cloud and DevOps — **Microsoft Azure:** Azure Functions, App Service, Container Apps, Container Registry, Azure DevOps etc.

Google Cloud: Cloud Run, Dataflow, BigQuery; Docker, Git, GitHub Actions, CI/CD Pipelines

Development Tools — VS Code, Postman, MSSQL Server, Jupyter, Dbeaver

Others — RESTful APIs, DBMS, HTML, CSS

Projects

Tax Filing Chatbot, Python, RAG, Azure AI Services, Open AI Models, Cognitive Search, Flask, SQL

- Architected RAG solution, deployed OpenAI and embedding models in Azure AI Services, and created function apps for data processing in Azure.
- Developed a multimodal LLM chatbot for text- and image-based Q&A, integrating with Cognitive Services.

Text Summarization, Python, HuggingFace, Streamlit, OpenAI, NLTK


- Enabled text, document, and URL summarization with extractive and abstractive methods using Sumy, Hugging Face LLM, and ChatGPT, with user-selectable options.
- Deployed a Streamlit web interface and evaluated model performance using the ROUGE metric.

Awards

Bravo - Individual Awards, Persistent System 14 Feb 2025
Recognized for significant contributions to project stabilization and team success through collaboration and proactive assistance.

Bravo - Team Awards, Persistent System 09 Aug 2024
Honored for collaborative success and impactful teamwork on major projects.

Certificates

Google Cloud Professional Machine Learning Engineer 

Google Cloud Professional Data Engineer 

Microsoft Certified: Azure Fundamentals 