



Aditya Maurya

+91 9721560807

adi22maurya@gmail.com

github.com/Aditya2272002

linkedin.com/in/adi22maurya/

twitter.com/adi22maurya

TECHNICAL EXPOSURE

Programming Language: Python

AI Frameworks: LangChain, Llama Index

Database Technologies: Vector Databases, Graph Database, SQL, MongoDB, Postgres, Redis

Cloud Technologies: Azure, AWS

Development Tools: Git, Docker

Others: Data Structure & Algorithm, System Designing

PROFESSIONAL EXPERIENCE [1.8 YR]

Celebal Technologies

March 2023 - Present

Associate Developer

Celebal Technologies

Sept 2022 - Feb 2023

Junior Associate Developer

PROJECTS

Project: Intelligent Solution Application for Kuok Group

Company: Celebal technologies

- **Data Collection:** Gathered multiple company documents such as policies, rules, and About sections.
- **OCR Implementation:** Utilized a custom mode in Azure Form Recognizer for Optical Character Recognition (OCR) to extract text from the documents.
- **Metadata Generation:** Integrated Langchain AI framework to add informative metadata to the extracted text.
- **Storage:** Stored the processed documents and metadata in Azure AI Search for efficient retrieval.
- **Agent Creation:** Developed an agent to access the data, enabling interaction with multiple tools.
- **Tools Setup:**
 - Implemented RAG (Retrieval Augmented Generation) for efficient data retrieval from the Vector Database based on user queries.
 - Set up guard railing mechanisms to prevent users from asking irrelevant questions and ensure data relevance.
- **Automation Pipeline:** Established a pipeline to automate the chunking, processing, and storing of documents into the Vector Database whenever a new document file is uploaded to Azure Sites.
- Used Azure Storage for maintaining conversation history, feedbacks of response.
- Used Azure App Service for deployment and DevOps for pipeline setup.

Tech Stack

- Python, Langchain, Azure App Service, Azure Table Storage, Azure Blob Storage, Azure Cosmos DB, Azure DevOps, Azure OpenAI.

Impact

- Streamlined document processing and retrieval for Kuok Company, improving efficiency and access to critical information.
- Enhanced user experience by implementing intelligent data retrieval and guard railing mechanisms.

Project: Anaplan, Empowering Tata Motors with Intelligent Query Resolution

Company: Celebal technologies

- Led development of intelligent application that takes user queries related to fleet owners, drivers, and give them effective text, graphs, charts solutions using Agentic AI.
- The integration of advanced technologies and efficient data handling techniques streamlined processes, reduced manual effort, and enhanced decision-making capabilities

Technologies Used:

- Programming Languages: Python (core language), Langchain (AI framework) (Core Agentic AI)
- Data Analysis Tools: Python libraries for data analysis and graph generation
- SQL: Custom-built efficient SQL query generator
- Azure Services: Utilized Azure services for cloud-based operations and database interactions
- Prompt Engineering: Advanced prompt engineering techniques employed to guide Language Model (LLM) interactions

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Netaji Subhash Engineering College

2019-2023

CGPA: 9.2