

# MAHESWAR REDDY MARTHALA

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## PROFESSIONAL SUMMARY

Gen AI Developer with 2+ years of experience developing conversational AI chatbots and training AI models, achieving a 27% cost reduction in Azure workflows. Expertise in deploying AI solutions across Health Care, Media, Education, and Technology industries.

## SKILLS

<b>Programming:</b> Python	SQL	TensorFlow	HTML & CSS
<b>AI Tools:</b> OpenAI	LangChain/LangGraph	Azure AI Foundry	Amazon Bedrock
<b>Cloud Services:</b> Azure-DevOps	Databricks	Git	OpenCV, OCR

## WORK EXPERIENCE

### *Gen AI Engineer*

Cognizant Technology Solution Pvt Ltd.

**Dec 2022-Present**

Designed and implemented an end-to-end Gen AI service project from DocuSign, OKM and ServiceNow with Azure DevOps to streamline workflows.

- Involved in design and development of architecture for data ingestion pipelines into Azure Storage Data Service - Azure Blob using APIs on Azure Databricks.
- Augmented, cleaned and pushed document metadata to Postgres SQL Server and data into Azure Document Intelligence and further ingested it to Blob in the optimized format which resulted a cost reduction of 27%.
- Utilized Lang Chain chunking splitter to create Azure AI Embeddings using text-embedding-ada-003 model along with Indexing them in Azure AI Search Service.
- Built Chatbot Process Architecture which involved both RAG and Chat Flow to fetch information about Data and Metadata.
- Deployed the robust pipeline/workflow for Standalone Query Generation, User Query Categorization and Final Response Generation with Azure Open AI services.
- Orchestrated Webapp using Azure bot for seamless interaction between Admin, User and Azure Directory groups.
- Leveraged Azure Key Vault, Azure monitoring and Log Analysis services for development and maintenance of the application.
- Worked on POD for business clients to integrate GenAI services for their Business Documents and generate User Stories in their Azure DevOps
- Developed a POC on a chatbot that sends emails automatically with a structured format using GEN AI services.

## CERTIFICATIONS

Microsoft's Azure Fundamentals | **AWS** – Certified Cloud Practitioner

Udemy - LangChain, Lang Graph, OpenAI

Hacker Rank - Python, SQL (Intermediate)

## AWARDS & RECOGNITION

- In the Cognizant internship I acted as a Cohort Representative for the batch with a people of 50 and managed and completed the task with timeframe.
- Received client appreciation for delivering cost-effective, efficient architecture and seamless integration of AI-driven solutions, improving data processing and user interaction.
- Led the Prompt-a-thon project team, developing an innovative AI chatbot solution recognized by Cognizant's SBU head and securing 1st place among 50+ entries

## EDUCATION

- G.Pulla Reddy Engineering College, Kurnool (B.Tech: 2018-22)