Sowmya Cherukupally

Data Engineer

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KEY ACHIEVEMENTS

⭐ **Generative AI Model Deployment**
Developed and deployed Generative AI models to enhance existing frameworks

💎 **ETL Optimization Success**
Reduced ETL process time by 40% through optimized Python scripts.

SKILLS

Snowflake   Python   Streamlit

AWS   Rest APIs   Flask

Langchain   DBT   Vector DB

SQL   Cortex Analyst

Cortex Search   Git

CERTIFICATION

Data Engineer Workshop (DEW)
Skilled in building and managing data pipelines with expertise in Snowflake, SQL, and ETL workflows. Strong understanding of data modeling, transformations, and aggregations.

Data Warehouse Workshop (DWW)
Mastering accessing and analyzing data, data modelling and normalisation

DBT Fundamentals
Demonstrated expertise in data transformation, data modeling, and implementing analytics engineering solutions.

NASA Hackathon
Won 3rd prize in hackathon by developing a sleep shift scheduling tool

LANGUAGES

English   Native   ●●●●●

Hindi   Proficient   ●●●●○

Telugu   Native   ●●●●●

SUMMARY

- Data Engineer with expertise in building and deploying responsive applications using Python and Streamlit.
- Experienced in designing, integrating, and deploying Generative AI ,Agentic AI within existing frameworks to drive innovation and deliver actionable insights.

EXPERIENCE

Data Engineer

Flykra

- Implemented efficient ETL practices, data transformations and reporting features to ensure accuracy and alignment with business objectives

Python Intern

Codeway

- Engineered a real-time weather forecasting application utilising various APIs, Flask and Python, facilitating retrieval of current weather data for designated locations

EDUCATION

Bachelor's of Technology

Pallavi Engineering College   📍 Hyderabad, India

PROJECTS

Automated Data Ingestion & Transformation

- Automated data ingestion and transformation by integrating Snowflake with Agentic AI, reducing manual effort by 60% and accelerating data availability.
- Built a fully automated data pipeline integrating **Snowflake** with **Agentic AI** to enable seamless **data ingestion, transformation, and decision-making**, resulting in streamlined workflows and accelerated insights.

Real Estate Comparison Tool

- Developed a sophisticated real estate investment comparison tool by seamlessly integrating multiple APIs
- Facilitated precise location pinpointing of target projects and conducted in-depth analysis of competing properties in the vicinity, enhancing strategic decision-making

RAG Application

- Deployed a RAG application to autonomously scrape and process data from the Wikipedia page, leveraging Faiss for efficient storage and integrates with OpenAI's API to generate accurate responses
- Utilizing Postman for testing and retrieving the top 3 relevant data chunks for context

Chatbot for Agriculture

- Orchestrated comprehensive agricultural support operations encompassing crop management, optimising pest control, real-time weather forecasting, and diverse farming inquiries
- Architected a sophisticated backend server and seamlessly integrated with a React-powered frontend