VARSHAA SV

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🚀 Skills

Python

Power BI

Tableau

ETL Pipelines

Machine Learning

Gen AI

LLM

LangChain, LanggraphL

Langsmith

Docker

Agentic AI

MongoDB

MySQL

Flask

Unit Test

Pandas/Numpy

TensorFlow

✦ Objective

Multi-faceted, efficient, and reliable Python Developer with 3+ years of experience in Data Engineering, RESTful API development using Flask, LangChain-based GenAI applications, and end-to-end ETL pipelines. Currently as Senior Software Development Analyst in Data & AI domain. Seeking a challenging opportunity to build scalable backend systems and contribute to GenAI-powered solutions using modern frameworks.

💼 Experience

ACCENTURE
10-2024 To Till date
Software Development Senior Analyst – DATA & AI

- Designed and deployed **RESTful APIs using Flask** and integrated with Native hosting in client environment.
- Developed modular **ETL pipelines** using **Pandas and NumPy** for real-time data ingestion.
- Developed a complex **data quality check framework** using Python and Flask to handle data from various sources.
- Built and maintained **GenAI** apps using **LangChain, LangGraph**, and RAG pipelines.
- Implemented code quality using unit testing frameworks.
- Worked with **MySQL and MongoDB** for storage and query optimization.
- Developed observability dashboards and tracing of the workflows.

Cognizant Technology Solutions
09-2021 – 10-2024
Software Engineer

- Developed and implemented technical solutions to address data issues in **Power BI Reports,** ensuring data accuracy and reliability.
- Created **Automation use cases** to enhance continuous service improvement, streamlining manual processes and promoting efficiency.
- Proactively identified and addressed **Security Vulnerabilities** in application code, implementing measures to mitigate risks and ensure data integrity.
- Collaborated with clients to **Gather requirements and provide insights** into business strategies, facilitating informed decision-making.
- Designed and developed interactive **Tableau Dashboard** to support daily business reconciliations, providing actionable insights for stakeholders.

🎗 Achievements & Awards

- Developed a Data Quality Control framework by effectively using ETL operation and maintained the good quality data available for business decision making.

- Implemented an efficient predictive model to predict a failure in the file flows via middleware with 98 % accuracy.

- Achieved 4X Star Hackkerank certificate for Python and SQL.

🎓 Education

Prince Matriculation Higher Secondary School   *2017*
Higher Secondary 87%

Prince Shri Venkateshwara Padmavathy Engineering College
Bachelor's in Engineering (Electronics and
Communication)   *2017 to*
82%   *2021*

SRM Institute of Technology
Master's of Technology (Artificial Intelligence)   *2023 -2026*

🚀 Projects

Data Quality Control Framework 2024 – Till date

Developed a **Python-based framework** to automatically **check and monitor data quality** across multiple sources.

Results: Automated detection of **broken or inconsistent data** across multiple sources. Saving **hours of daily effort** for data teams. Provided a **dashboard** to visualize data quality metrics and identify problem areas.

Global Derivatives Project 2022 – 20244

Developed an automatic way to capture the logs of the current file status from the file explorer and present in the dashboard setup about the health status.

Results: Manual monitoring of 1000+ is tiresome process and a dedicated person needs to be employed. This have replaced the need for 8 hours of daily manual monitoring and created a robust system.

Reporting Framework 2021 – 2022

Created a automated system to notify on empty trade files and files with only header. This also ensures automatic transfer of correct files to the destination folders.

Results: Improved realibity and consistency in data transfer and validation. This have greatly helped the business user to have right data for their reconciliations.

⚑ ACKNOWLEDGEMENT

I hereby declare that all the above-mentioned information is true and correct to the best of my knowledge.