Shamanvith Pavuluri

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EDUCATION

Ace Engineering College, Hyderabad
Bachelor of Technology in Electronics and Communication Engineering
Applied Mathematics, Database Management System, Big Data Analytics, Object Oriented Programming

EXPERIENCE

Propelsys Technologies – Client: Saks Global
Data Engineer & Analyst Aug 2024 - Present

- Engineered scalable ETL pipelines and automated workflows within an Agile framework to support the Semantics Layer and downstream reporting use cases.
- Designed and built **data mart models** (dimension and fact tables) using **DBT, SQL, and Snowflake**, applying best practices in **Data Vault and dimensional modelling**.
- Integrated curated marts into **downstream sales audit models**, enabling robust data reconciliation, exception handling, and financial reporting across business units.
- Partnered with cross-functional teams to analyse data requirements and translate business logic into optimized transformation logic for supply chain and finance analytics.
- Enhanced data reliability and performance by developing **modular ETL components**, applying version control via GitHub, and deploying via **Astro on AWS**.

SKILLS

- Programming Languages:	SQL, Python, C, HTML, CSS
- Tools & Technologies:	Snowflake, GitHub, DBT, Astro, Jupyter Notebook, RStudio, AWS, GCP, Azure Data Studio, MS SQL Server, Oracle SQL Developer, Tableau, Qlik, Power BI, Looker, JIRA, Azure DevOps, Microsoft Office Suite (Word, Excel, PowerPoint), GitHub, DBT, Astro
- **Frameworks:**	Flask, Django, Pandas, Matplotlib, Seaborn, NumPy

PROJECTS

Supply – Chain Dashboards (Semantic Layer)

- Designed SQL queries and integrated Tableau and Qlik dashboards for Order Management System and analytics, ensuring 99% data accuracy.
- Designed and implemented a comprehensive data model to support efficient data storage and analysis.

LLM-Based SQL Query Generator for Data Insights

- Played an important role in building a LLM model integrated with a company's database to automatically generate SQL queries based on natural language commands. The solution also executes the queries and displays results alongside the generated query for easy decision-making. This project leverages Snowflake for database management, Snowflake integrated Streamlit and Python for AI modelling.
- Technologies: Python, SQL, Snowflake

Fiscal Year Transition

- Played an important role in the transformation of fiscal year data from NMG's Fiscal Year to Saks Global Fiscal Year within the company's and supply – chain and financial systems. This initiative significantly improved accuracy in reporting and facilitated smoother transitions by automating the process of data alignment, reconciliation, and generation of reports.
- Technologies: SQL