

Sai Kiran Adduru

Data Engineer

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SUMMARY

Data Engineer with 3+ years of experience in Python, SQL, DBT and cloud technologies, including Azure and Snowflake. Proven expertise in migrating large datasets, optimizing SQL queries, developing custom python scripts, and automating data workflows to improve system performance and efficiency.

EXPERIENCE

LTIMindtree

August 2022 – Present

Snowflake COE

- Worked on **migration of bulk data** and **incremental data** from SAP HANA to **Snowflake**, using combination of Python scripting and SnowSQL by using snowflake internal stages for efficient data loading.
- Converted several objects of Client legacy system into **Snowflake compatible DDLs**, with an 80% accuracy and optimized converted View DDLs.
- Worked in testing the migrated objects by performing **Metadata validation** and **SHA data validation** and other aggregations, during SIT and UAT phases.
- Experience in writing SQL scripts for data transformation tasks within **Matillion ETL** pipelines and scheduling jobs.
- Developed **DBT models** for complex views, with a strong focus on modularity, reusability and integrated with Snowflake.
- Built Dependency Analyzer, a **stand-alone tool generating end-to-end lineage** of source objects, reducing 70% effort by identifying key components for migration.
- Implemented a **risk assessment tool** that visualized data from 3+ source databases, reducing analysis time by 40%, providing stakeholders with real-time insights for strategic decision-making.
- Developed a **Cloud Upload Pipeline to ingest data**, reducing manual effort by 85% while ensuring data integrity, **Snowpipe and external stage** (AWS S3 Bucket/ Azure blob) - based data ingestion.
- Have good knowledge in Snowflake features like time-travel, zero copy cloning, architecture, virtual warehouse management along with advance SQL.
- Hands-on experience in data cleansing, transformation, and aggregations on large-scale datasets using **PySpark**, enabling high-quality and analytics-ready datasets.
- Mentored & Conducted Peer-to-Peer Code Reviews, improving efficiency through structured feedback and process enhancements **adhering to PEP (Python Enhancement Proposal)** guidelines, and **leading knowledge-sharing sessions**.
- Built Streamlit based **snowflake native application** which will apply masking policy on columns of a specific table.

LTIMindtree (Internship)

March 2022 – August 2022

- Trained in several trending technologies like Python, SQL, Snowflake, Azure, Data warehousing concepts, Data Modelling.

DXC Technologies

September 2021 – June 2022

- Worked as DB2 developer where I had learned technologies related to Mainframe and written SQLs with business logics.

TECHNICAL SKILLS

Languages: Python, SQL

Cloud & Infrastructure: Snowflake, Azure

Developer & ELT Tools: Git, Hdbstudio, DBT

Frameworks: Streamlit

Libraries: Pandas, PySpark, Regex

CERTIFICATIONS AND ACHIEVEMENTS

- **Snowpro Core Certification:** [certificate](#)
- **Azure Fundamentals (AZ-900):** [certificate](#)
- **Azure Data Fundamentals (DP-900):** [certificate](#)
- **Participated in Internal Snowflake hackathon,** securing a **Runner-Up position** through innovative problem-solving and efficient implementation.

EDUCATION

Bachelor of Engineering
Andhra University College of Engineering
CGPA—7.78

Visakhapatnam, AndhraPradesh
Aug 2017 – June 2021

NRI junior college
Intermediate
Percentage: 97.7%

Visakhapatnam, AndhraPradesh
July 2015 – April 2017