

GANESH S

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OBJECTIVE

Aspiring Data Engineer skilled in **Python, SQL, ETL (Informatica, Azure Data Factory)**, and **Snowflake**, with hands-on experience in designing and managing **data pipelines** across **cloud platforms (Azure, AWS)**. Eager to contribute to building efficient, scalable, and data-driven solutions in a collaborative environment.

EXPERIENCE

ASSISTANT SYSTEM ENGINEER

Tata Consultancy Services

Bangalore – October 2024 - Present

- Wrote **complex SQL queries** for data extraction, transformation, and reporting, optimizing query performance and ensuring data accuracy for testing and analytics tasks.
- Built **ETL workflows in Informatica PowerCenter** to perform data migration, lookups, and aggregations between source and target systems.
- Developed **data pipelines in Azure Data Factory** to automate ingestion from **Azure Blob Storage** and load structured data into **Snowflake** for analytics.
- Processed and transformed data using **PySpark in Azure Databricks**, performing filtering, joins, and aggregations before loading data into Snowflake tables.
- Practiced **Snowflake data warehousing concepts** such as schema design, virtual warehouses, file formats, stages, and SQL-based transformations.
- Created **interactive dashboards in Tableau** to visualize processed data and uncover trends in sales and operational datasets.
- Worked with **AWS services (S3, EC2, IAM)** for storage, compute, and secure access management during learning projects.
- Collaborated with team members to **debug data issues**, perform validation checks, and maintain data consistency across environments.

TECHNICAL STRENGTHS

Programming & Data Handling	Python, SQL
Data Engineering & Integration	Snowflake , Azure Data Factory, Informatica PowerCenter, Azure Databricks (PySpark)
Cloud Platforms	Microsoft Azure, AWS (IAM, EC2, S3, EBS)
Data Visualization & Analytics	Tableau, Power BI (basics)
DevOps Tools	Docker
Testing & Automation	JMeter (performance testing), Postman
Operating Systems & Administration	Linux, Windows, macOS, Microsoft Intune

PROJECTS

End-to-End Data Pipeline on Azure (Currently working)

- Designed a data pipeline using **Azure Data Factory** to ingest CSV files from **Azure Blob Storage**.
- Processed and transformed data using **Azure Databricks (PySpark)**, including filtering, aggregations, and joins.

- Loaded the transformed data into **Azure Synapse Analytics** for querying and reporting.
- Created a simple **Tableau dashboard** to visualize processed insights.

EDUCATION

Bachelor of Engineering and Technology

P. A. College of Engineering and Technology, Pollachi **CGPA - 8.88** 2021 - 2024

DEEE

Nachimuthu Polytechnic College, Pollachi **Percentage - 84** 2017 - 2020

SSLC

Government High School **Percentage - 91** 2017

CERTIFICATIONS AND COURSES

- Preparing for Microsoft Certified: Azure Data Engineer Associate (DP-203)
- AWS Certified Cloud Practitioner (CLF-C02).
- Completed a course on Python programming.
- Completed basics of SQL.
- Completed a course on Linux Fundamentals.
- Completed basics of Web development.
- Completed a course on Tableau.

HOBBIES

Cooking, Traveling