

# Mayur Jain

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## Professional Summary

Senior Data Engineer with 4+ years of experience building analytics-driven data warehouse and lakehouse solutions using **Snowflake**, **Databricks**, **SQL**, **Python**, and **PySpark** on **AWS and Azure**. Proven expertise in designing scalable data pipelines, optimizing analytical queries, and delivering high-quality datasets for reporting, dashboards, and decision support. Strong background in cloud data architecture, data modeling, performance optimization, and governance, with hands-on experience supporting enterprise analytics and regulated workloads.

## Skills

**Data Warehousing & Analytics:** Snowflake, Databricks, Data Warehousing, Lakehouse Architecture, Analytical Data Modeling  
**Snowflake:** Advanced SQL, Virtual Warehouses, Resource Monitoring, RBAC, Time Travel, Streams, Tasks, Query Optimization  
**Databricks & Big Data:** Apache Spark, PySpark, Delta Lake, Performance Tuning  
**Programming & Analytics:** SQL (Advanced), Python, PySpark  
**Cloud Platforms:** AWS (S3, Glue, EMR, Lambda, CloudWatch), Azure (ADF, Storage, Databricks)  
**Data Integration:** ETL/ELT Pipelines, Batch & Streaming Ingestion, REST APIs  
**Data Quality & Governance:** Validation Frameworks, Reconciliation, Audit Readiness, Access Controls  
**Orchestration & DevOps:** Airflow, CI/CD, Jenkins, Docker  
**Ways of Working:** Agile/Scrum, Stakeholder Collaboration, Technical Documentation

## Professional Experience

California State University Long Beach	Oct 2025 – Current
Research Assistant (Academic)	Remote
• Supporting research focused on <b>data engineering, analytics pipelines, and automation</b> .	
• Developing <b>Python-based prototypes</b> to analyze data workflows, quality checks, and documentation processes.	
Associated Students Inc.	Mar 2024 – May 2025
Data Analytics Engineer (Part-Time)	California
• Built and maintained <b>SQL-driven analytical datasets</b> supporting operational and financial reporting.	
• Optimized SQL queries and reporting views to improve dashboard performance and data reliability.	
• Partnered with stakeholders to define metrics, KPIs, and reporting logic.	
ZS Associates Ltd.	Sep 2022 – Jul 2023
Associate Consultant – Data Engineer	India
• Developed <b>analytics-ready datasets</b> and ELT pipelines using <b>Databricks, SQL, and Python</b> for enterprise reporting and insights.	
• Designed transformation layers and analytical views to support dashboards and ad-hoc analysis.	
• Worked directly with consultants and client stakeholders to gather requirements and deliver scalable cloud data solutions.	
• Documented data models, SQL logic, and pipeline dependencies to support long-term maintainability.	
Tata Consultancy Services Ltd.	Jul 2019 – Sep 2022
System Engineer – Data Engineer (Client: Lloyds Banking Group)	India
• Designed and operated scalable <b>cloud-based analytics pipelines</b> using <b>Spark, PySpark, Python, and SQL</b> to support enterprise reporting and decision-making.	
• Built and optimized <b>analytical data warehouse layers</b> integrating large volumes of structured and semi-structured data for fraud and risk analytics.	
• Engineered <b>near-real-time Kafka–Spark pipelines</b> delivering timely analytical datasets, improving data processing efficiency by <b>30%</b> .	
• Implemented robust <b>data quality, reconciliation, and audit controls</b> ensuring accuracy and compliance for downstream analytics.	
• Supported cloud data platforms feeding <b>Snowflake-based reporting and analytics workloads</b> .	
• Collaborated with business, analytics, and compliance teams to translate requirements into performant data models and SQL transformations.	

## Certifications

- AI Agent Intensive Course with Google (Kaggle)
- Databricks Data Engineer
- Microsoft Azure Data Engineer Associate
- Oracle Cloud Infrastructure Foundations

## Education

California State University, Long Beach   <i>Master of Science in Computer Science</i>	May 2025
Guru Tegh Bahadur Institute of Technology   <i>Bachelor of Technology in Information Technology</i>	May 2019