

Tanay Mehendale

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SUMMARY

Data Engineer with 2+ years of hands-on experience in building ETL pipelines, automating data workflows, and bridging SAP systems with cloud platforms. Proficient in both traditional enterprise data (SAP, SQL Server) and modern tools like Spark, Airflow, and AWS. Currently learning Snowflake and GenAI to modernize data workflows.

EXPERIENCE

Data Engineer - LTIMindtree | Mumbai, India

Jan 2021 – Jun 2023

- Developed 45+ **SQL** programs to deliver SAP reports and custom transactions, reducing data inconsistencies by 18% and improving day-to-day operations for 30+ stakeholders across 5 global business teams
- Delivered an **ETL** pipeline using **PySpark** and **AWS Redshift**, processing big data volumes of 750GB/month that reduced reporting latency by 87% and saved approx. 15 analyst hours per week
- Implemented **data quality** checks with **Python**, reducing ingestion errors by 20% across 50+ weekly loads
- Powered executive decisions for a **\$9.6 billion** enterprise, by orchestrating 30+ Spark jobs in **Airflow** and reducing insight delays by 98% per week, ensuring timely and trustworthy data for KPI dashboards
- Partnered with global teams and leadership to simplify SDLC audits and align change management practices, cutting release issues by 84% and preventing SOX compliance breaches across 52+ releases

Data Analyst - Texas A&M University | College Station, TX

Apr 2024 – May 2025

- Automated bulk updates for 54+ flat files using **Python**, reducing weekly man-hours from 12 to 5 hours
- Audited 135+ access records per semester with Microsoft **Excel** (VLOOKUP and Pivot Tables), identifying unauthorized users and cutting errors by 20% across 54+ departments
- Built a **Power BI** dashboard to analyze 750+ stakeholder queries, driving website content updates and knowledge base articles that **reduced repeat inquiries by 15%**
- Created 6 SOPs to document technical and process changes, reducing training time for new analysts by 40%

EDUCATION

Texas A&M University - M.S. Management Information Systems | College Station, TX

May 2025

University of Mumbai - B.Tech. Electronics & Communications | Mumbai, India

May 2021

PROJECTS

Real Time Sign-Up Health Monitor | [Link](#) | Airflow, Kafka, Spark, Cassandra, Docker, Git

- Built a real-time sign-up health pipeline that detects major drops (>50%) within 2 minutes in local tests, resulting in 90% faster detection than 60min batch checks

Data Warehouse for Retail Analytics | [Link](#) | Microsoft SQL Server, SSIS, Tableau

- Designed a retail data warehouse to analyze \$600M+ retail sales patterns across 2 data marts and 6 years of data, enabling inventory decisions and retail trend analysis through SSRS and Tableau

Point of Sale (POS) System | [Link](#) | AWS, Data Modeling, Clustering & Replication

- Built a POS system on AWS EC2 with relational database MariaDB, implementing clustering and sharding techniques; Optimized read performance by 45% by performing NoSQL data modeling to restructure data

Customer Churn Analysis | [Link](#) | Tableau, Data Visualization, Business Intelligence

- Developed interactive Tableau dashboards analyzing churn patterns and customer segmentation across 6,600+ telecom accounts, supporting targeted retention strategies.

SKILLS

Certifications: [Assoc. Data Engineer](#); *Ongoing* - Snowflake SnowPro Core, AWS Solutions Architect Associate

Coding: SQL, Python, PostgreSQL, Git, R; **Database:** SAP HANA, MariaDB, MongoDB; *Familiar* – Cassandra

Data Engineering: ETL/ELT (Extract, Transform, Load), Microsoft SQL Server; *Familiar* – Shell, Bash

Cloud: AWS, EC2, Athena, Redshift, S3, Apache Airflow, Snowflake; *Familiar* – Apache Spark, Kafka

BI Tools: Tableau, SSRS (SQL Server Reporting Services); *Familiar* – Power BI

AI (familiar): Prompt Engineering, Snowflake Cortex AI, LLMs, RAG, Cursor, GitHub Copilot