

# Tanay Mehendale

San Jose, CA (can relocate) | [tanay.mehendale@tamu.edu](mailto:tanay.mehendale@tamu.edu) | 979-344-3679 | [LinkedIn/tanay-mehendale/](#) | [Portfolio](#)

## SUMMARY

Data Engineer with 2+ years of experience building ETL pipelines, automating data workflows and cloud migrations. Skilled in **SQL, Python, and data automation** across cloud platforms (**AWS, Snowflake**). Certified **AWS Solutions Architect - Associate**, passionate about scalable data solutions, AI Engineering and continuous learning

## EXPERIENCE

### Data Engineer - LTIMindtree / Mumbai, India Jan 2021 – Jun 2023

- Developed 45+ **SQL** programs to deliver SAP ERP reports and custom transactions, reducing data inconsistencies by 18% and improving decision making in markets worth \$4.5 billion
- Delivered an **ETL** pipeline using **Python**, Apache **Spark** and AWS Redshift, through batch processing jobs that reduced reporting latency by 87% and saved approx. 15 analyst hours per week
- Orchestrated and monitored 30+ Spark DAGs in **Airflow**, to ensure timely and trustworthy data for KPI dashboards, reducing Time-To-Value for 3 teams by 98% per week
- 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

- Built a Customer Analytics dashboard in Power BI to detect 30+ process improvement opportunities
- Tracked KPIs to address issues and recommend 12+ website updates and 20 Knowledge Base articles
- Conducted Root Cause Analysis to analyze 750+ stakeholder requests that reduced repeat inquiries by 15%
- Automated recurring workflows using Python, reducing weekly processing time from 5 hrs. to 1 hr.
- Audited access records using Excel (VLOOKUP, Pivot Table), resolving 100% anomalies for 54+ departments

### Data Engineer Intern - Texas A&M University / San Jose, CA Jul 2025 – Present

- Created ETL pipeline using Python to ingest 125K+ Reddit posts and comments with schema normalization
- Implemented logging and optimization techniques that improved ingestion speed and reliability by 70%

## 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.

## 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

## SKILLS

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

Coding: SQL, Python, PostgreSQL, Git, R, Shell, Bash; Database: SAP HANA, MariaDB, MongoDB, Cassandra

Data Engineering: ETL/ELT, SQL Server, Airflow, Apache Spark, Kafka, Flink, Hive

Cloud: AWS, EC2, Athena, Redshift, S3, Snowflake; BI Tools: Tableau, SSRS, SSAS, Power BI