

Tanay Mehendale

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OBJECTIVE

*Certified **Data Engineer** with 2+ years of experience building **scalable data pipelines** (Spark, Redshift, AWS) and designing **data models**. Currently exploring **AI tools** (Cursor, Airbyte) that aid in **maintenance and monitoring of data pipelines**. Strong interest in building large-scale, reliable data platforms for modern digital products*

EXPERIENCE

SAP Data Engineer – LTIMindtree | Mumbai, India **Jan 2021 – Jun 2023**

- Processed 100K+ records to build custom reports using SQL and ABAP, resolving 18% data inconsistencies and improving decision accuracy across business units
- Built a Spark ETL pipeline to unify 7 regional data sources in AWS Redshift, reducing weekly reporting time by 65% and improving data reliability for 5 business teams
- Developed Tableau dashboards to analyze sales throughput and fulfillment KPIs, supporting analytics teams in surfacing insights that improved order lead time by 17% for a Fortune 500 client
- Initiated a data modeling redesign to resolve duplication and relationship issues in reporting tables, reducing reporting errors by 35% and improving dashboard performance by 40%
- Spearheaded cross-functional coordination with global teams and the leadership across 52+ product releases, simplifying SDLC audit process to eliminate 40+ compliance breaches and reduce release issues by 84%

Data Analyst – Texas A&M University | College Station, TX **Apr 2024 – May 2025**

- Automated data collection for 54 raw files resulting in a 60% reduction in manual workload by using scripts
- Streamlined student compliance tracking by proposing and architecting a Power Automate solution, reducing weekly processing time from 6 hours to 30 minutes

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

Data Warehouse for Retail Analytics | [Link](#) | Skills: Microsoft SQL Server, SSIS, Tableau **Dec 2024**

- Designed end-to-end data warehouse using Kimball approach to analyze \$600M+ retail sales patterns, processing 1M+ records across 2 data marts to enable data-driven inventory and promotion decisions
- Identified \$50K+ weekly coupon redemption and customer behavior patterns by architecting a multi-tool BI solution analyzing 6 years of retail trends, creating specialized visualizations in SSRS, SSAS and Tableau

Customer Churn Analysis | [Link](#) | Skills: Tableau, Data Visualization **Jul 2024**

- Analyzed customer behavior patterns for 6,600+ telecom customers using Tableau, creating interactive dashboards to identify key factors affecting customer retention
- Developed data visualizations to analyze customer demographics across 15+ age groups, enabling targeted customer engagement strategies and reducing customer attrition

Point of Sale (POS) System | [Link](#) | Skills: AWS, Data Modeling, Clustering & Replication **Nov 2023**

- Built a POS system on AWS EC2 with MariaDB, implementing database replication and user access controls to simulate multi-store operations and improve system reliability
- Designed a normalized schema in MariaDB and executed end-to-end ETL from raw CSVs, implementing stored procedures, views, and triggers to support business logic and ensure data integrity across 5 core entities
- Modeled denormalized JSON documents in MongoDB by restructuring relational data from MariaDB, improving query performance by 45% for dynamic, read-heavy operations

Market Basket Analysis | [Link](#) | Skills: R, EDA, Data Mining, Data Analytics **Jun 2019**

- Leveraged R programming to analyze customer purchasing patterns across 9000+ grocery transactions and 170+ unique products that provided data driven strategies for cross-selling opportunities

SKILLS

Certifications: [Assoc. Data Engineer](#); **Ongoing** - AWS Data Engineer Assoc., AWS Cloud Practitioner

Programming & Databases: SQL, Python, R, Git, MySQL, PostgreSQL, MariaDB, MongoDB, ABAP

Data Engineering: ETL (Extract, Transform, Load), Data Warehousing, Shell Scripts, SQL Server, SSIS

Cloud: AWS EC2, Redshift, S3, Apache Spark; **Familiar** - AWS Glue, Lambda, Hadoop, BigQuery, Snowflake

BI Tools: Tableau, PowerBI, SSRS; **AI Exposure:** LLMs, RAG, Cursor, Airbyte (maintenance & monitoring)