

Tanay Mehendale

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EDUCATION

Texas A&M University <i>Master of Science in Management Information Systems</i>	College Station, TX May 2025
Sardar Patel Institute of Technology (University of Mumbai) <i>Bachelor of Technology</i>	Mumbai, India May 2021

EXPERIENCE

LTIMindtree <i>Data Engineer – SAP</i>	Mumbai, India Jan 2021 – Jun 2023
<ul style="list-style-type: none">Processed 100K+ records to build custom reports using SQL and ABAP, resolving 18% data inconsistencies and improving decision accuracy across business unitsBuilt 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 teamsDeveloped 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 clientInitiated 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%	
Texas A&M University <i>Data Analyst – Student Assistant</i>	College Station, TX Apr 2024 – Jul 2024
<ul style="list-style-type: none">Automated data collection for 54 raw files resulting in a 60% reduction in manual workload by using scriptsStreamlined student compliance tracking by proposing and architecting a Power Automate solution, reducing weekly processing time from 6 hours to 30 minutes	

SKILLS

Programming & Databases: SQL, Python, R, Git, MySQL, PostgreSQL, MariaDB, MongoDB, ABAP
Data Engineering: ETL (Extract, Transform, Load), Data Warehousing, Shell Scripting, SQL Server, SSIS
Data Management: Relational & NoSQL Modeling, Data Cleaning, Data Quality, Replication & Clustering
Cloud: AWS EC2, Redshift, S3, Glue, Lambda, SNS, Hadoop, BigQuery, Apache Spark, Snowflake, CI/CD
BI Reporting Tools: Tableau, PowerBI, SSRS, AWS Quicksight

PROJECTS

Data Warehouse for Retail Analytics using Microsoft SQL Server (Link)	Dec 2024
<ul style="list-style-type: none">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 decisionsIdentified \$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 in Tableau (Link)	Jul 2024
<ul style="list-style-type: none">Analyzed customer behavior patterns for 6,600+ telecom customers using Tableau, creating interactive dashboards to identify key factors affecting customer retentionDeveloped data visualizations to analyze customer demographics across 15+ age groups, enabling targeted customer engagement strategies and reducing customer attrition	
Point of Sale (POS) System using AWS (Link)	Nov 2023
<ul style="list-style-type: none">Built a POS system on AWS EC2 with MariaDB, implementing database replication and user access controls to simulate multi-store operations and improve system reliabilityDesigned 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 entitiesModeled denormalized JSON documents in MongoDB by restructuring relational data from MariaDB, improving query performance by 45% for dynamic, read-heavy operations	
Market Basket Analysis in R (Link)	Jun 2019
<ul style="list-style-type: none">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	