

K Sai Datta

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Portfolio: <https://datta116.github.io/>

Professional Summary

Data Analyst with strong hands-on experience in SQL, Python, Power BI, and Tableau. Skilled in data cleaning, transformation, ETL pipelines, data modeling, dashboard development, and business analysis. Experienced in converting raw data into meaningful insights to support decision-making across multiple domains.

Projects

- Enterprise Data Warehouse (Medallion Architecture)**
Problem: Reporting was slow and inconsistent due to scattered and unclean source data.
Solution: Built a centralized data warehouse using Bronze-Silver-Gold layers with automated ETL pipelines.
Work Done: Designed star schema models, implemented data quality checks, optimized SQL queries.
Outcome: Improved reporting speed and created a reliable single source of truth for analytics.
Tools: SQL Server, T-SQL, ETL, Data Modeling
GitHub
- Customer Churn Prediction and Segmentation**
Problem: Difficulty identifying customers likely to churn and lack of actionable segmentation.
Solution: Performed RFM-based segmentation and built a churn prediction model.
Work Done: Data cleaning, feature engineering, model training and evaluation.
Outcome: Achieved 85%+ prediction accuracy and identified key churn drivers.
Tools: Python, Pandas, Scikit-learn
GitHub
- E-Commerce Sales Analysis Dashboard**
Problem: Limited visibility into sales performance and profitability trends.
Solution: Developed an interactive dashboard for sales, profit, YoY growth, and regional analysis.
Work Done: KPI creation, calculated fields, filters, and LOD expressions.
Outcome: Enabled faster business insights and data-driven decision making.
Tools: Tableau, SQL, Excel
GitHub

Skills

Programming and Querying: Python (Pandas, NumPy), SQL and T-SQL, DAX
BI and Visualization: Tableau (LOD, Parameters), Power BI (DAX, Power Query), Advanced Excel
Data Engineering: ETL Pipelines, Data Warehousing, Medallion Architecture, Star Schema
Analysis and ML: Data Cleaning and Validation, Feature Engineering, Classification, RFM Segmentation
Tools: SQL Server, Git, Jupyter Notebook, VS Code

Education

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|---------------------------------------|-----------|----------|
| • B.Tech Computer Science Engineering | 2021–2025 | GPA 7.32 |
| • Intermediate Class XI and XII | 2019–2021 | GPA 8.1 |
| • SSC Class X | 2019 | GPA 9.0 |

Certifications

- Data Analysis with Python NPTEL 2024
- Cambridge English B2 First Certificate 2022