Sachin Tambe

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Profile Summary

Data Analyst with hands-on experience in a manufacturing environment, specializing in building solutions for data visualization, reporting, and business process support. Skilled in **Python, SQL, Power BI, and Excel** for delivering actionable insights and decision support. Experienced in collaborating with cross-functional teams to implement dashboards, define KPIs, and improve data-driven practices. **Exposure to Machine Learning and Generative AI (LangChain, OpenAI APIs, RAG systems)** adds value for advanced analytics and automation initiatives. Strong track record of supporting stakeholders, streamlining workflows, and driving business-focused outcomes.

Experience

Data Analyst

Art in Art | Jun 2025 – Present

- Established automated data pipelines using Python (pandas, openpyxl), reducing manual reporting effort by **70%**.

- Designed and deployed **Power BI dashboards** for production, inventory, and sales KPIs, reviewed weekly by senior management.

- Partnered with multiple departments to define KPIs, improving decision-making efficiency by **60%**.

- Conducted SQL and Excel analysis to identify **cost-saving opportunities and performance trends** across operations.

Projects

Customer Churn Analysis (Python, SQL, Dashboarding)
- Analyzed customer behavior data for 10k+ records to identify churn risk patterns.
- Delivered insights through an interactive dashboard, enabling business teams to take targeted retention actions.

Fraud Detection Insights (Data Analysis & Reporting)
- Explored financial transactions dataset to highlight anomalies and fraud-prone cases.
- Built a reporting framework that supported risk teams in monitoring transactions and reducing false negatives.

Document Q&A Bot (GenAI, RAG, LangChain + OpenAI)
- Implemented a chatbot for internal policy documents using Retrieval-Augmented Generation.
- Reduced manual support queries by 30%, improving knowledge accessibility for employees.

Sales Forecast Dashboard (Power BI + Python)
- Designed and deployed a sales forecasting dashboard integrating ARIMA-based trends.
- Provided actionable demand and inventory insights with ±5% forecast accuracy, improving planning efficienc

Education

Somaiya Vidyavihar University , Mumbai, Maharashtra

B.Sc. in Information Technology , Graduation: 2025

Technical Skills

Programming & Analytics: Python (pandas, numpy, matplotlib, seaborn), SQL, Excel (Advanced), Java (basic)

Data Visualization: Power BI, Excel Dashboards

Data Analysis / Data Science: Data Cleaning, Data Wrangling, Exploratory Data Analysis (EDA), Business KPI Reporting, Statistical Analysis

Machine Learning: Regression, Classification, Feature Engineering, XGBoost, Random Forest

AI / GenAI : LangChain, OpenAI APIs, Retrieval-Augmented Generation (RAG), LlamaIndex

Other Tools: Git, Jupyter, Streamlit

Certifications

- Python for Data Science, AI & Development — IBM, Coursera

- Databases and SQL for Data Science with Python — IBM, Coursera

- Foundations of Data Science — IBM, Coursera

- Data Engineering Foundations — IBM, Coursera