Samarth S. Modi

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https://github.com/SAM126599 | Rajkot, India

PROFESSIONAL SUMMARY

Analytical and results-driven Data Analyst Ongoing B. Tech with hands-on experience in Python, SQL, Power BI, and Excel for data wrangling, exploratory data analysis, and dashboard creation. Skilled in transforming raw datasets into actionable business insights. Built 3+ end-to-end data projects covering sales analytics, customer segmentation and Model. Passionate about applying statistical analysis, data visualization, and analytical problem-solving to generate data-driven insights and enable informed business decisions.

WORK EXPERIANCE

INTERN – Code Alpha
INTERN – CodSoft
INTERN – Navodita Infotech
TECHNICAL SKILLS

EDUCATION

- Marwadi University — July 2024 - Present
  -Bachelor of Technology (B. Tech) in Computer Science & Engineering, 7.6/10.0 — Rajkot, India
- Sanganabasava Residential P. U. College Kavalagi, — 2024
  -Board of Intermediate Education (12th – PCMC's), 87.83% — Vijayapur, India

SKILLS & INTERESTS

- **Programming & Query:** Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), SQL (MySQL, PostgreSQL), R (basics)
- **Data Visualization:** Power BI, Tableau, Microsoft Excel (Pivot Tables, VLOOKUP, Charts), Google Sheets
- **Data Skills:** Data Cleaning. Exploratory Data Analysis (EDA), Statistical Analysis, Data Wrangling, A/B Testing Concepts
- **Machine Learning:** Linear Regression, Logistic Regression, K-Means Clustering, Decision Trees (Scikit-learn)
- **Tools & Platforms:** Jupyter Notebook, Google Colab, Git, GitHub, MS Excel, PowerPoint, VS Code
- **Concepts:** Business Intelligence, KPI Reporting, Data Storytelling. Database Management, ETL Basics, Agile

PROJECTS

Project 1 | AI Voice Interaction System for Email Automation | AI Agent FAQ System | Rule-Based Chatbot

- Developed AI-based applications including a voice-enabled email automation system, an AI FAQ assistant, and a rule-based chatbot using Python.
- Integrated speech recognition, NLP, LLMs, and Retrieval-Augmented Generation (RAG) to deliver intelligent and automated user interactions.
- Achieved 90% + response accuracy while reducing manual email processing time by 70%, enhancing automation and user experience.

Project 2 | Multilingual Text Analyze & Visualization Features | Spotify Recommendation System To Reccomend Song.

- Built a multilingual text analytics platform with sentiment analysis, language detection, and interactive visualizations.
- Developed a content-based Spotify recommendation system using machine learning and similarity algorithms.
- Improved recommendation accuracy by 85% and enabled data-driven insights through interactive dashboards.

Project 3 | Multi-Agent AI System | Car Price Prediction | Customer Churn Prediction

- Developed a **Multi-Agent AI System** using LangGraph and LLMs for workflow automation and intelligent task planning.
- Built **ML models** for predictive analytics, delivering accurate business insights.
- Increased workflow efficiency by **60%** and achieved **90%+ prediction accuracy** through optimized data preprocessing and feature engineering.

CERTIFICATIONS

- Oracle Analytics Cloud 2025 Certified Professional | Oracle University — Aug-2025
- Oracle Autonomous Database Cloud 2025 Certified Professional | Oracle University — Aug-2025
- Data Analysis with Python, Design Thinking | Infosys Springboard — Sept-2025
- Career Essentials in Data Analysis | Microsoft and LinkedIn Learning — Nov-2025
- Power BI | Office Master — Oct-2025
- Tata - Data Visualisation: Empowering Business with Effective Insights Job Simulation | Forage — Jul-2026

ACHIEVEMENTS & ACTIVITIES

- **Research Paper -** On the topic, Retail Demand Forecasting Using Large Language Models: Performance Evaluation Against Traditional Machine Learning Models.
- **Leetcode Problem Solving** – Leetcode: Completed 50+Problems On Leetcode,
- **SIH Hackathon Participation** – SIH Hackathon: Participated in SIH Hackathon (2024, 2025)