Satyam Rokade

 Satyam Rokade / satyamrokade60@gmail.com / +91 9764780663 / Pune, India

SUMMARY

Data Scientist with **2+ years** of experience in **data analytics**, **predictive modeling**, and **LLM-driven** solutions. Proven track record of **automating end-to-end workflows** (e.g., DPD reporting framework reducing manual effort by 40%) and **deploying ML models** to forecast key business metrics. Developed a **GenAI query bot** using **Databricks Genie API** and delivered **10+ Power BI dashboards** (Co-lending Funnel, DPD Snapshot) to democratize data access. Proficient in **Python**, **SQL**, **Pandas**, **scikit-learn**, **TensorFlow/Keras**, **Power BI**, **REST APIs**, and **Generative AI** tools. Skilled at translating complex data into **actionable insights** and integrating **traditional analytics** with cutting-edge **AI/ML** technologies.

SKILLS

Technologies: Python, SQL, Power BI, Power Automate, Databricks Genie API, Excel, DAX, Power Query, Data Manipulation, Data Integration, Predictive Analysis, Machine Learning, Generative AI.

Machine Learning: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, XGBoost, Linear Regression, Logistic Regression, Decision Trees, Random Forests, TensorFlow/PyTorch, Hugging Face.

PROFESSIONAL EXPERIENCE

Bajaj Finserv | Unit Manager – Data Science | Pune   **Nov 2023 - Present**

- **Strategic Partnership Business Automation & DPD Reporting**
  - Built an automated DPD reporting framework using Python and Power Automate, reducing manual effort by 80% and ensuring accurate tracking of loan portfolios.
  - Developed a predictive ML model (XGBoost) to forecast loan approvals, improving business planning efficiency by 25%
  - Designed 10+ interactive dashboards (Power BI) for Co-lending Funnel, DPD Snapshot, and Business Health Monitoring.
  - Automated data validation and discrepancy checks, reducing reporting errors by 30%.
  - Technologies: Python, SQL, Power BI, Power Automate, Excel, Pandas
- **Automated Genie API Integration for Instant Query Responses**
  - Designed and implemented a Python-based automation solution to integrate with Databricks Genie API for real-time data query and retrieval.
  - Reduced manual ad-hoc data request turnaround time by 50%, enabling teams to access data-driven insights instantly.
  - Developed a dynamic polling mechanism to handle asynchronous API responses and convert results into structured Pandas DataFrames.
  - Implemented intelligent fallback to handle both tabular and plain-text responses, improving user experience and error traceability.
  - Technologies Used: Python, Databricks Genie API, Pandas, REST API, JSON, Requests Library
- **Stock Price Prediction and Evaluation Using Traditional ML and LSTM Models** (CDAC Major Project)
  - Developed a complete stock price prediction pipeline using historical data fetched via Yahoo Finance API for the Nifty 50 index.
  - Engineered features such as EMA (Exponential Moving Averages) to enhance predictive signals and improve model accuracy.
  - Built and evaluated multiple regression models including Linear Regression, Elastic Net (with GridSearchCV), KNN, and Random Forest using Scikit-learn pipelines.
  - Implemented an LSTM-based deep learning model using TensorFlow/Keras to capture temporal patterns in stock prices.
  - Visualized model performance through R^2 scores, MSE metrics, and actual vs. predicted price comparisons for specific and future dates.
  - Technologies Used: Python, yFinance, Scikit-learn, TensorFlow/Keras, Pandas, NumPy, Matplotlib, Seaborn, mplfinance

Ceinsys Tech LTD | Trainee | Nagpur   **Jan 2022 – May 2022**

  - Design the water distribution network using WaterGEMS Software under MAHAMAYA SCHEME in Assam. In the design of the water distribution system, its being recognized that consumption varies with the Season, Month, Day, and Hour. WaterGEMS is hydraulic modeling software used to analyze and design water distribution networks

CERTIFICATIONS AND AWARDS

- Meta Brains: Python for Machine Learning: The Complete Beginner's Course
- TestDome Power BI
- Complete Generative AI Course with Langchain and Huggingface
- Sunbeam Infotech: Precat certification

EDUCATION and COURSES

- 2023: PG Diploma in Big Data Analytics – CDAC Pune
- 2017: Class 12th (HSC), Maharashtra Board
- 2022: B.E Civil, Yeshwantrao Chavan College of Engineering, Nagpur
- 2015: Class 10th (SSC), Maharashtra Board