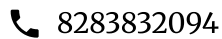


Rohan Patnaik

Lead ML Engineer



SUMMARY

- ML engineer skilled in machine learning, predictive modeling, and software engineering.
- Proficient in Python, SQL, and statistics. Specialized in financial data classification and fraud prediction.
- Expert in communicating technical concepts to non-experts with commendable teamwork and leadership abilities.

TECHNICAL SKILLS

Data Science and Analytics: Pytorch, Keras, Scikit-Learn, Machine learning, TensorFlow, Deep learning, Neural networks, A/B testing, Excel, Clustering, Tableau, NLP, Computer vision, Timeseries, GenAI

Database related: MySQL, PostgreSQL, Trino, Redis, MinIO

Cloud Platforms (IaaS, PaaS, SaaS): AWS (S3, EC2, RDS, Lambda), Google Cloud

Software Development: Python, NumPy, Pandas, Flask, Jenkins, NLTK, Jupyter, TypeScript, Docker, Kubernetes, Git, GitHub Actions, Trello, JIRA, KubeFlow

WORK EXPERIENCE

Altimetrik

Jun 2025 – Present

Lead ML Engineer (prev. Senior ML Engineer)

- Built the feature engineering track for **Calibo's** data and AI platform: configurable data preparation in Python, **PySpark** and SQL, with **LangGraph** review workflows that validate each plan.
- Built ML orchestration and training with scikit-learn, tracked in **Databricks** and **MLflow**.

National Payment Corporation of India (NPCI)- Euclid Innovations

Apr 2024 – Oct 2024

Data Scientist

- Led the development of fraud detection for the **AePS** (Aadhar Enabled Payment System) by engineering raw data features to create predictive models to reduce fraud incidents by **1.2million** working on more than **4TB data**.
- Contributed to a pioneering project on **UPI**, developing a federated model for **financial fraud detection**, showcasing expertise in handling complex, real-world financial data for new onboarding Indian banks.

SIEMENS

Jul 2019 – Apr 2022

Data Scientist/ Software Engineer

- Developed and analyzed sound and numeric data for the client assets using computer vision -> Outcome: useful insights using RUL classification, with an **92% accuracy** for fault detection in the assets.
- Designed **dashboard** views with API calls to display asset health of 97 assets & performed ML analysis.
- Led team communications to address key security issues generated from tokenization for the user app.

PROJECTS

- **OPENCALENDLY**: open-source Calendly for 1:1 and team bookings with calendar sync, built on **Cloudflare** and **Neon**.
- **CODEBLOOM**: VS Code and JetBrains **extension** that maps any codebase into a mind map with call arrows.
- **ORBIT**: a three-mode visual window switcher (Alt+Tab) for Omarchy, built in **QML**.
- **SUBPOOL**: single **Rust** binary serving Claude, ChatGPT and Gemini subscriptions as one fast API.

EDUCATION

SRM UNIVERSITY

Bachelor of Technology in Computer Science and Engineering

2015 – 2019