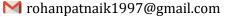
# Rohan Patnaik

**Product Data Scientist** 

<u>InkedIn</u>

+91-8283832094



**K** Kaggle



#### **SUMMARY**

- Data scientist 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 (ML), TensorFlow, Deep learning, Neural networks, A/B testing, Excel, Clustering, Tableau, NLP, Computer vision, Time series analysis, GenAI

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

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

Software Development: Python,, NumPy, Pandas, Flask, Jenkins, NLTK, Jupyter, TypeScript, Docker, Kubernetes, Git,

PvSpark, GitHub Actions, Trello, JIRA, Kubeflow

### **WORK EXPERIENCE**

# National Payment Corporation of India (NPCI) - Euclid Innovations Senior Data Scientist

**Current position** 

- 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**.
- Utilized python to implement supervised machine learning techniques for time series anomaly detection as well.
- 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..

SKIPCHECKR AI April 2022 – Jan 2024

# Data Scientist

- Spearheaded the creation and development of an innovative **self-checkout system** powered by machine learning, overseeing the project from its initial concept to a **minimum viable product** (MVP).
- Showed strong presence in leadership and **project management**, driving sub projects to completion.
- Applied data science using **computer vision** in retail, bettering efficiency and convenience by targeted market research and **A/B testing**.

SIEMENS July 2019 - April 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 **87% 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**

### **RAG WITH LLAMA2**

Customizing and fine-tuning LLM using Llama2 as base model to generate articles for multiple categories of
people with varied length of outputs involving langehain leveraging as well. Deployed the app on streamlit for
better reach and efficiency.

#### ZERO SHOT IMAGE CLASSIFICATION

• Developed an ML application using **EfficientB0** to predict food presence in images, achieving a 98% accuracy; data sources: Tiny Imagenet and Food101 dataset. Deployed the app on GCloud for storage efficiency.

### INSURANCE COST PREDICTION

 Leveraged a neural network-based machine learning model to accurately predict insurance costs from medical history data, achieving a remarkable mean absolute error reduction to 3169, enhancing cost quantification precision.

#### **EDUCATION**