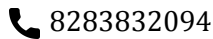


# Rohan Patnaik

Data Scientist



## 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 ,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

### Tiger Analytics

Current Position

#### Senior Analyst

- Worked on the McDonalds Insights project by creating sales and revenue generation queries across 15 different customer segments and 8 different price points using command functions in Python.
- Developed dashboards to provide actionable insights for business strategy.

### 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

### DECENSORED DEEPSEEK R1 EXTENSION

- Decensored Deepseek R1 for VSCode is an open-source **extension** in the VSCode marketplace that transforms VS Code into a personal AI-powered chat assistant using a decensored version built on top of **Deepseek R1** open weights.

### AI ARTICLE WRITER

- Customized and fine-tuned LLM using Llama2 as base model to generate articles for multiple categories of people with varied length of outputs while leveraging **langchain** as well. Deployed the app on **streamlit** for better reach and efficiency.

## EDUCATION

SRM UNIVERSITY

Bachelor of Technology in Computer Science and Engineering

2015 – 2019