

Tarun Kumar Rathore

✉ tarun422rathore@gmail.com

☎ +91 7999002506

🌐 LinkedIn

🐙 GitHub

Summary

Data Scientist skilled in Python, SQL, and Machine Learning with proven success in building predictive models, automating workflows, and driving data-driven decisions for business growth. Improved model accuracy by **40%**, reduced reporting time by **50%**, and developed interactive dashboards for real-time insights and business impact.

Portfolio: <https://tarungolu422.github.io/tarungolu-portfolio/>

Technical Skills

Programming & Querying: Python, MySQL, HTML, CSS

Machine Learning & AI: NLP, Deep Learning, MLOps, CI/CD

Data Analytics & Visualization: Power BI, Tableau, Advanced Excel, Matplotlib, Seaborn

Cloud & Deployment: Google Cloud Platform (GCP), Streamlit, GitHub

Core Competencies: Data Cleaning, EDA, Feature Engineering, Insight Generation

Projects

Credit Card Fraud Detection

Python, Gradient Boosting

- Developed an anomaly detection model achieving **94% accuracy** and reducing false positives by **15%**.
- Processed **280K+ transactions** and optimized reconstruction loss for fraud identification.

Loan Default & Risk Analysis

Power BI, SQL

- Developed a Power BI dashboard with DAX metrics, reducing reporting time by **40%**.
- Automated SQL pipelines for regional performance analytics.

House Price Prediction

Python, Regression, PCA

- Trained a regression model with PCA, achieving $R^2 = 0.92$ and reducing dimensionality by **60%**.
- Identified the **top 5 features** driving property prices.

Smart Task Management App

Streamlit, Machine Learning

- Built an ML-based app predicting task priority with **85% accuracy**, improving productivity by **35%**.

Certifications

- Google Data Analytics Certificate – Coursera (2023)
- Deloitte Data Analytics Job Simulation (2025)
- Machine Learning with Python – IBM Cognitive Class (2024)
- AI Passport – EY & Microsoft (2025)

Achievements

- Runner-up – **Tinkerathon 2023** for an AI-driven analytics solution.
- Earned **20+ Google Cloud Skill Badges** in Data and AI.
- Received the **NSS “B” Certificate** for national service and leadership.

Hobbies & Interests

- Playing cricket and football to enhance teamwork and focus.
- Travelling to explore diverse cultures and perspectives.
- Listening to podcasts to improve communication and mindset.

Education

B.Tech in Computer Science and Engineering

2021–2025

Chhattisgarh Swami Vivekanand Technical University (CSVТУ)

CGPA: 8.2 / 10