

# TARUN KUMAR RATHORE

+91 7999002506 | tarun422rathore@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## SUMMARY

Data Scientist skilled in Python, SQL, and Machine Learning with proven experience in building predictive models, automating workflows, and delivering data-driven insights. Improved model accuracy by 40%, reduced reporting time by 50%, and developed dashboards enabling real-time business decisions.

## SKILLS

**Programming & Querying:** Python, MySQL, HTML, CSS

**Machine Learning & AI:** NLP, Deep Learning, OpenCV

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

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

**Version Control:** GitHub, MLOps, CI/CD

## PROJECTS

**Sentiment Classification of Restaurant Reviews** Python, NLP, ML

- Optimized sentiment classification by evaluating 9 ML models; selected SVM achieving 97.5% accuracy and 0.9978 AUC.
- Automated review analysis workflow, improving processing efficiency by 40%.

**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.

**Explainable ANN – Credit Card Fraud Detection** ANN, ML, Streamlit

- This project uses an Artificial Neural Network (ANN) to predict fraudulent transactions.
- An Explainable Streamlit interface to help users understand how the model works.

**Dynamic Weather Monitoring Report** API, Power BI

- Integrated live Weather API to fetch real-time temperature, humidity, rainfall, and AQI data.
- Configured Power BI Service for automatic refresh → ensuring always up-to-date insights.

**EmotionSense-AI** CNN, ANN, ML, Gradio

- This project is an AI-powered image classification app that detects whether a person looks Happy or Not Happy from an uploaded photo — along with a confidence percentage.

## CERTIFICATIONS

- Google Data Analytics Certificate – Coursera
- Oracle Data Science Professional
- Deloitte Data Analytics Job Simulation
- Machine Learning with Python – IBM Cognitive Class
- AI Passport – EY & Microsoft
- Power BI - Coursera

## ACHIEVEMENTS

- Received the NSS “B” Certificate for national service and leadership.
- State-level achiever in Vaidik Mathematics, demonstrating strong mental math skills.
- Earned 20+ Google Cloud Skill Badges in Data and AI.

## HOBBIES

- Cricket, Badminton, Stand-up comedy.

## EDUCATION

Chhattisgarh Swami Vivekanand Technical University (CSVТУ) 2021-2025

Bachelor of Technology, Computer Science - 79.72%

Saraswati Higher Secondary School, Korba, Chhattisgarh

12th - 95.4% 2021 | 10th - 89% 2019