TARUN KUMAR RATHORE

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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.

MediaPipe Tasks   OpenCV, Numpy, MediaPipe

- MediaPioe framework is the low-level component used to build efficient on-device machine learning pipelines, similar to the premade MediaPipe solutions.

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 - CoursePe

ACHIEVEMENTS

- Received the **NSS "B"** Certificate for national service and leadership.
- State-level achiever in **Vedic 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 (CSVTU)   2021-2025
Bachelor of Technology, Computer Science   -   79.72%

Saraswati Higher Secondary School, Korba , Chhattisgarh
12th - 95.4%   2021 | **10th -** 89%   2019