Ritik Jangra

Aspiring Machine Learning Engineer

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Summary

MCA final-year student with a solid foundation in Artificial Intelligence, Machine Learning, and Python programming. Skilled in data analysis, predictive modeling, and deploying machine learning models. Currently building expertise in Deep Learning using TensorFlow and PyTorch.

Education

MCA 2024 – 2026 (Currently-Pursuing)

SGT University, Gurugram — CGPA: 8.36/10 (Current)

B.Sc (Electronics) 2020 – 2023

University of Delhi — CGPA: 8.06/10

Senior Secondary (Science Stream) 2019 – 2020

Govt. Sr. Sec. School, Bahadurgarh — 82%

Projects

Flight-Fare Prediction [GitHub] [Live Demo] Jul 2025 – Aug 2025

- Engineered a Random Forest model to predict flight ticket prices using airline, route, and schedule data (300,000 records).
- Best model scores:
  - R^2: 0.90
  - MAE: 1812.24
  - RMSE: 2564.77
- Developed a responsive Streamlit web app for real-time fare predictions.
- *Tech stack:* Python, Pandas, NumPy, Scikit-learn, Streamlit

Telco Churn Prediction App [GitHub] [Live Demo] May 2025 – Jun 2025

- Built a Streamlit application predicting telecom churn (7,000 records) using a Random Forest Classifier.
- Explained predictions using SHAP for transparency.
- Performance:
  - Accuracy: 79%
  - Precision: 65%
  - Recall: 47%
  - F1-score: 54%
- *Tech stack:* Python, Pandas, NumPy, Scikit-learn, Streamlit, SHAP

Skills

- **Languages:** Python, C++, JavaScript, SQL
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Streamlit
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab
- **Soft Skills:** Communication, Teamwork, Leadership

Certifications

- **Complete Data Science, ML, DL, NLP Bootcamp** — Udemy · Jul 2025 · 99 hrs
- **Generative AI Studio** — Google Cloud/Simplilearn · Jul 2025
- **Data Analysis with Python** — IBM Cognitive Class · Jul 2025