Roshan R. Prasad

ML Engineer

CONTACT

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PROFESSIONAL SUMMARY

Machine Learning Engineer skilled in building and optimizing Deep Learning and ML models. Strong in Python, TensorFlow, PyTorch, and MLOps tools like Git, Docker, and AWS basics. Looking to contribute to impactful AI and data-driven solutions.

PROFESSIONAL EXPERIENCE

Student & ML | 2030-2035

PROJECTS

MNIST Digit Classifier

- Built a CNN achieving 99.4% validation accuracy using TensorFlow/Keras.
- Applied data augmentation and dropout to reduce overfitting.
- Reduced training time by 20% with GPU optimization.

California Housing Price Prediction

- Created an end-to-end ML pipeline (ETL → feature engineering → training).
- Used XGBoost achieving R^2 score of 0.88.
- Containerized the project using Docker for reproducible deployment.

EXPERIENCE / ACADEMIC WORK

Data Science Intern / Major Project

Jan 2026 – June 2026

- Helped develop a time-series anomaly detection system, reducing false alerts by 15%.
- Processed large datasets using Pandas and SQL, improving pipeline speed by 25%.
- Wrote scalable Python scripts for data extraction and feature engineering.

SKILLS

Programming: Python, SQL, Bash
ML/DL: TensorFlow, PyTorch, Keras, scikit-learn, XGBoost
Data & Tools: Pandas, NumPy, ETL, Matplotlib, Git, Docker, MLflow/DVC
Cloud/OS: AWS Basics, Ubuntu
Concepts: Regression, Classification, CNNs, LLM Pipelines

EDUCATION

B.Tech in Computer Science & Engineering
Jharkhand University of Technology | 2023 – 2027
GPA: 7.9/10

CERTIFICATES

AI Agents Intensive Course (5 Days) — Google | November 2025

- Hands-on training on building and deploying AI Agents
- Worked with LLM pipelines, agent architecture, prompt engineering

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OPEN SOURCE

Contributor — "Hands-On Machine Learning" (handson-mlp)

- Submitted bug fixes in chapter 10 and documentation updates; merged by maintainers