

Dheeraj

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Professional Summary

Python Developer and AI Engineer skilled in backend development, REST API design, SQL/NoSQL databases, and ML model deployment. Experienced in building clean, scalable, and optimized systems using Python and Flask. Passionate about problem-solving, learning new technologies, and contributing to collaborative engineering teams.

Experience

Prodigy Infotech Organization

Oct 2024 – Nov 2024

Machine Learning Intern

- Built a regression model for **House Price Prediction** achieving 90%+ accuracy.
- Conducted feature engineering, EDA, and preprocessing to optimize predictive performance.
- Developed and deployed a **Flask REST API** for real-time predictions.

BlueStock Fintech

Jan 2025 – Feb 2025

Software Developer Intern

- Improved SQL database performance by 25% via optimized queries.
- Developed high-performance REST APIs in Python with 15% faster response time.
- Supported backend features through collaboration with cross-functional teams.

Projects

House Price Prediction | Python, Flask, Scikit-learn

- Built ML pipeline with feature engineering, achieving 90%+ accuracy.
- Developed Flask-based API for real-time house price predictions.

Next Word Predictor | Python, PyTorch, LSTM

- Trained LSTM model with 99.71% accuracy on 1,400-word dataset.
- Deployed lightweight inference API achieving <50ms latency.

Grocery Store Management System | Python, Tkinter

- Built GUI-based system for data entry, validation, and inventory tracking.

Education

B.Tech in Artificial Intelligence & Machine Learning

2023 – 2026

Guru Jambheshwar University of Science & Technology, Hisar

CGPA: 6.8

Technical Skills

Languages: Python, SQL, JavaScript

Backend: Flask, REST APIs, Git, Postman

ML/AI: Scikit-learn, PyTorch, TensorFlow, Pandas, NumPy, EDA

Other: Linux, Model Deployment, Database Optimization

Interests

AI Engineering, Backend Development, Generative AI, Scalable Systems