Atul Kumar

Entry-Level web Developer — AI & ML Enthusiast

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Experience

AI/ML Internship — NIELIT/IIT Ropar (Collaborative Program) June 2025 – December 2025

- Worked on real-world Artificial Intelligence and Machine Learning projects using Python.
- Developed computer vision systems using YOLO, OpenCV, and TensorFlow.
- Built Object detection and Face detection Project with YOLO.
- Improved model accuracy through data preprocessing, tuning, and evaluation.
- Gained exposure to research-based development and deployment concepts.

Education

Bachelor of Computer Applications (BCA)   Completed 2022-2025
Relevant Subjects: Programming, Data Structures, DBMS, Computer Networks

Projects

AI-Based Crop Recommendation System

- Crop Recommendation System: Built a machine learning-based system that recommends optimal crops using soil nutrients and climate data, leveraging Python, Pandas, NumPy, and ML classification algorithms..

Weather Forecast System

- Built a weather forecasting model using Python and Machine Learning.
- Performed data analysis using Pandas and NumPy.
- Visualized trends using Matplotlib.

Car Price Prediction System

- Car Price Prediction Web App: Built a Flask-based ML web application to predict used car prices using user inputs and a trained ML model deployed via joblib.

Skills

Programming Languages: Python, JavaScript (Basic)
AI / Machine Learning: YOLO, TensorFlow, OpenCV, Model Training & Evaluation
Libraries & Tools: NumPy, Pandas, Matplotlib, Git, GitHub
Web Technologies: HTML, CSS, JavaScript
Other Tools: VS Code, Google Colab

Certifications & Training

- AI/ML Summer Training Program — India AI (Government Initiative)
- AI/ML Internship Certificate — IIT Ropar Collaborative Program

Languages

English (Professional Proficiency)
Hindi (Native)