Dhanurdhar Sharma

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Profile

A Computer Science Engineering student with hands on experience in Web Development, Machine Learning and IOT. Seeking an internship opportunity to apply my technical and analytical skills to solve real-world problems and contribute to impactful projects .

Education

Bachelor of Technology in Computer Science and Engineering **2022 – Present**
University of Engineering and Management, Jaipur CGPA: 8.85 (Till last semester)

Skills

- **Programming Languages:** Python, C ,C++, JavaScript, PHP
- **Machine Learning and AI:** Machine Learning Algorithms, Numpy, Pandas, Scikit-learn, YOLO, OpenCV, SQL
- **Web Development:** HTML, CSS, Tailwind CSS, React
- **Tools & Platform:** Git, GitHub, VS Code, Arduino IDE, Jupyter Notebook, Google Colab, Power BI.
- **IoT & Embedded Systems:** Arduino, Raspberry Pi, ESP32, Sensors, GPIO Programming

Professional Experience

Web Development Intern *Prodigy Infotech* **Remote** *Jun 2025 - Jul 2025*

- Collaborating on front-end development tasks using HTML, CSS, JavaScript, React and Tailwind CSS to build responsive web interfaces.
- Assisting in building dynamic components and improving UI/UX consistency across multiple pages and devices.

AIML Intern *Luxury in Taste* **Remote** *Jul 2025 - Aug 2025*

- Developed an image-based product authentication system for luxury fashion items using deep learning.
- Applied data augmentation techniques to upscale limited product datasets (e.g., Balenciaga, Jimmy Choo, etc.) for model training.
- Collaborated with web and AI teams to integrate model into a responsive dashboard.

Projects

- **Dynamic Traffic Light System**
  Developed a hardware-driven traffic light system using Raspberry Pi 5 and YOLOv8. Adjusts green light duration based on real-time vehicle detection and congestion levels.
  Technologies: Raspberry Pi 5, Python, OpenCV, YOLOv8, Roboflow
- **Hexabot (6-Legged Walking Robot)**
  A work-in-progress hexapod robot designed for autonomous indoor navigation and voice-controlled movement. Currently focused on servo-based leg coordination and environment sensing. Future plans include SLAM-based mapping and obstacle avoidance.
  Technologies: ESP32, SG90 Servos, Raspberry Pi 5(Planned), Python

Online Courses & Certifications

- Python for Data Science (Feb. 2024) - NPTEL

- The Joy of Computing using Python (Apr. 2023) - NPTEL

Achievements

- Secured **6th rank** in the First Semester of B.Tech in Computer Science and Engineering.
- Secured **9th rank** in the Second Semester of B.Tech in Computer Science and Engineering.
- Secured **10th rank** in the Fifth Semester of B.Tech in Computer Science and Engineering.