HARSH KUMAR
Machine Learning Engineer

Contact

📍 Bareilly, Uttar Pradesh, India

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Education

B.Tech – Computer Science
Shri Ram Murti Smarak College of Engineering & Technology
Bareilly, India
2022 – 2026

Certifications \ Hackathons

❖ Participant, **IIIT Delhi Hackathon**
❖ Participant, **GUVI × HCL Hackathon**
❖ **AI for Beginners**
HP LIFE (HP Foundation) | May 2025
❖ **Generative AI & Artificial Intelligence for Leaders**
Udemy – MTF Institute | Feb

Profile

Machine Learning Engineer with hands-on experience in **Python, machine learning, deep learning, and computer vision**. Skilled in building real-time AI applications using **YOLOv8, TensorFlow, and OpenCV**, and deploying models with **Streamlit and Flask**. Passionate about solving real-world problems using data-driven and AI-based solutions.

Experience \ Internship

Python Development Intern　　　　　**Jun 2025 – Jul 2025**

Sagar Informatics Pvt. Ltd., Noida
☐ Developed Python-based modules for real-world applications.
☐ Collaborated with team members on live development tasks and debugging.

Skills

- **Programming:** Python, SQL
- **Machine Learning:** Regression, Classification, Clustering
- **Deep Learning:** CNN, RNN, Transfer Learning
- **Computer Vision:** YOLOv8, OpenCV
- **Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow, Keras

Projects

Accurate People Counting Using YOLOv8
- Built a real-time people counting system using **YOLOv8 and OpenCV**.
- Implemented centroid tracking to prevent double counting in crowded areas.

Solar Industry AI Assistant
- Developed an AI tool to analyze rooftop satellite images for solar feasibility.
- Deployed a **Streamlit-based web app** for real-time