HARSH KADIKAR

Ahmedabad | harshkadikar@gmail.com | +91 9316040627 | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

Innovative Information Technology graduate with a solid foundation in Artificial Intelligence, Machine Learning, and Full Stack Development. I have a proven history of building scalable applications, such as real-time object detection systems and personalized recommendation engines. I am skilled in Python, C++, and modern web technologies like React and Flask. I also reached the finals in national-level hackathons, focusing on solving real-world problems with technology.

TECHNICAL SKILLS

- **Languages:** Python, SQL, HTML5, CSS3 | *Foundational Knowledge:* C, C++, JavaScript
- **AI & Machine Learning:** YOLO (Object Detection), OpenCV, Pandas, NumPy, Scikit-learn
- **Web Frameworks:** Flask (API Development), Streamlit, GSAP (Animations)
- **Tools & Platforms:** Git/GitHub, VS Code, Google Colab

EDUCATION

LDRP Institute of Technology and Research   Ahmedabad, India
BE in Information Technology   June 2022 – 2026

- **CGPA:** 7.52 (Current)
- **Key Coursework:** Data Structures & Algorithms (DSA), DBMS, Artificial Intelligence, OS, OOPS, Python, Blockchain, Machine Learning.

KEY PROJECTS

- **Real-Time License Plate Recognition System** | *Python, YOLOv8, OCR*   [View Project]
  Created a high-performance VLPR pipeline that combines optical character recognition (OCR) for text extraction with YOLOv8 for detection. 95% detection accuracy was attained under various lighting circumstances. Added a history log function and used GSAP animations to improve the user interface.

- **Tribal Assistance Portal (SSIP Finalist)** | *PHP, MySQL, JS*   [View Project]
  Developed a voice-activated accessibility portal that uses speech commands to enable nonliterate users to apply for government programs. Streamlined the verification process and cut the application turnaround time by 40% by integrating an automated email notification system for bank officials.

- **Movie Recommendation System** | *Machine Learning, Streamlit*   [View Project]
  Built a content-based filtering system using cosine similarity to analyze user preferences and suggest movies. Streamlit was used to deploy the model, resulting in an interactive frontend that processes large datasets in real-time.

- **EchoHR: Employee Management System** | *Python, Flask, SQLite*   [View Project]
  EchoHR is a full-stack HR Management System that uses Machine Learning to forecast employee attrition. It offers a secure portal for employees to view their professional records and gives HR administrators a "Risk Matrix" to identify high-risk employees.

ACHIEVEMENTS & CERTIFICATIONS

- **National Finalist - SSIP Hackathon 2023:** Selected in the top 5% from 300+ teams for developing a scalable "Natural Farming Marketplace" solution. Recognized by government experts for social impact innovation.
- **NPTEL Certified - Python for Data Science:** Verified certification demonstrating proficiency in data analysis pipelines, statistical computing (NumPy), and data visualization.

CO-CURRICULAR & INTERESTS

- Active participant in collegiate coding competitions and tech-fests, consistently ranking in top percentiles.
- Skilled in Graphic Design and Video Editing, enhancing project presentations and UI/UX mockups.
- Passionate about exploring Computer Vision applications and Open Source contributions.