

MANISH PARDHI

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SUMMARY

Machine Learning and Flutter Developer skilled in Python, PostgreSQL, and cross-platform app development. Experienced in building AI-powered systems and scalable mobile applications. Currently interning on projects involving computer vision, machine learning, and Flutter, delivering efficient and user-focused solutions.

EDUCATIONAL DETAILS

Qualification	University/Board	Year of Passing	Percentage/CGPA
B. Tech (Computer Science and Engineering)	GH Rasoni University , Amravati	June-2026	9.00 CGPA
HSC	Prerna Junior College , Nagpur	June-2022	83.00 %
SSC	ABC English High School	March-2020	87.00 %

PROJECTS

Voice-Enabled Warehouse Management System | 2025

- Built enterprise-grade Flutter application with Supabase backend integration for voice-guided warehouse operations
- Implemented barcode scanning functionality with Honeywell EDA51 device integration using native device capabilities
- Developed speech-to-text and text-to-speech workflows for hands-free warehouse picking processes similar to Vocollect systems
- Created real-time data synchronization and error handling mechanisms for production-ready deployment

Real-Time Safety Helmet Detection System | 2025

- Developed an AI-powered construction site safety monitoring system using YOLOv8, achieving 94.5% helmet detection accuracy and 88.7% head detection .
- Implemented real-time object detection with IP webcam integration, processing at 15–25 FPS on consumer-grade GPUs.
- Optimized for construction site deployment.
- Technologies used: Python, YOLOv8, OpenCV, Computer Vision, Real-time Processing, IP Webcam Integration.

INTERNSHIPS

Aarkay Techno Consultants Pvt. Ltd. | Machine Learning Intern | Jun 2025 – Present

Contributing to the development of vision-based AI solutions by implementing advanced machine learning and computer vision techniques using Python. Collaborating with cross-functional teams to design and deploy real-world applications, while enhancing expertise in data analysis, model training, and deployment pipelines to deliver innovative and production-ready systems.

SKILLS

Hard Skills:

Programming Languages: Python, Dart/Flutter, HTML5, CSS3, AI/ML .

Relevant Coursework:

DBMS, Software Engineering, Computer Networking

Backend Development:

PostgreSQL, MySQL , Supabase.

Soft Skills:

Quick Learner, Adaptability, Communication Skills, Time Management, Critical Thinking, Leadership.