

Vinayak Kamankar

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Objective

B.Tech student in AI & ML with a solid background in IoT, Embedded Systems, and software development. Proficient in Python, C, Java, Power BI, and DevOps (Basics). Passionate about intelligent systems, computer vision, and connected tech. Committed to continuous learning and building impactful solutions.

Skills

Technical Skills:

- Programming (Java, Python)
- Embedded Systems Development
- Microcontroller Programming
- CAD & Engineering Design

Soft Skills:

- Communication
- Leadership
- Creativity
- Problem-Solving

Education

B.Tech in AI & ML

Sanjivani University, Kopergaon (2024 - May 2027)

Diploma in Mechatronics

Government Polytechnic, Nashik (2021 - May 2024)

Percentage: 80%

Internship

Maceltron Machines Pvt. Ltd, Nashik

Electrical Intern (Jan 2024 - Apr 2024)

Projects

- Drowsiness Detection System in Automobiles

Real-time AI system using computer vision to detect driver fatigue and trigger safety alerts.

- Hydro Guardian: Solar Smart Irrigation

An IoT and solar-powered irrigation system with remote monitoring and predictive water control.

- IoT-Based Industrial Safety System

Sensor-driven safety system for gas, fire, and noise monitoring with automated alerts and shutdowns.

- Smart Traffic Management System (Ongoing)

AI & IoT-powered traffic light control system adjusting signals based on vehicle density.

Certifications

1. Power BI Data Modelling Basics
2. SQL and Relational Database 101 (IBM)
3. Building Cloud and Multicloud Application (IBM)

Languages

- English
- Hindi
- Marathi

Interests

- Coding & Problem Solving
- IoT & Embedded Systems
- Web Development