Jaya Jadhav

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Education

Chattrapati Sahu College of Engineering   Chh. Sambhaji Nagar
Bachelor of Engineering in Mechanical Engineering (CGPA: 7.56)   *2023-Present*

Technical Skills

Web Development: HTML, CSS, JavaScript

Responsive Web Design

Version Control: Git/GitHub

Tools & Platforms: VS Code, Git/GitHub

Projects

Intelligent Pesticide Sprinkling System Determined by Infection Level of a Plant | *AI, YOLOv5, OpenCV, ESP32, H*

- Engineered a smart pesticide automation system that detects plant diseases using AI and controls IoT sprayers via ESP32.
- Designed frontend interface for automated pesticide sprinkling based on plant infection levels.
- Created a responsive dashboard with HTML, CSS, JavaScript to display infection data, pesticide levels, and system status.
- Collaborated with backend/IoT team for real-time visualization and control of the system.
- Focused on clean design, easy navigation, and real-time data updates to enhance user experience.
- Tools & Technologies: HTML, CSS, JavaScript, APIs for data communication.

Portfolio Website | *HTML, CSS, JavaScript*

- Developed a responsive personal portfolio website to showcase projects, skills, and achievements.

Line Follower Robot | *Robotics, Sensors*

- Designed and developed an autonomous robot capable of following a designated path using infrared sensors.

SAE BAJA ATV – Brake System Engineer | *Creo Parametric, ANSYS, Vehicle Dynamics, Hydraulic System Design*

- Worked as a Brake System Engineer in the official SAE BAJA team, responsible for design, analysis, and implementation of the ATV's braking system.

Certifications

Soft Skills Development - NPTEL

Drone Technology Workshop

Mech Spark 2K25 - Certificate of Participation (CSMSS, College of Engineering, organized by MESA and ISTE)

Bajaj Manufacturing System - Bajaj Auto Ltd.