

# JAIRAJ NILANGE

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## Education

<b>JSPM Rajarshi Shahu College Of Engineering Pune</b> <ul style="list-style-type: none"><li>Electrical Engineering   CGPA: 6.78</li></ul>	<b>2022 - 2026</b>
<b>Smt. Saraswati Bai Bhale Patil Junior College</b> <ul style="list-style-type: none"><li>Aggregate: 86%</li></ul>	<b>2020 - 2022</b>
<b>Bal Vidya Mandir School</b> <ul style="list-style-type: none"><li>Aggregate: 91.60%</li></ul>	<b>2019- 2020</b>

## Skills

MATLAB Simulink | PLC Automation | Autocad | SCADA | EPLAN | Servo Drive | Excel | VFD | HMI

## Projects

### Smart Car Parking System

A Smart Car Parking System using Arduino is an innovative project that automates the process of monitoring and managing parking spaces. By integrating various sensors and actuators, the system can detect vehicle presence, control entry and exit gates and display real-time parking availability.

- Developed a smart car parking system using Arduino UNO.
- Improved space usage and reduced manual work.
- Programmed using Arduino IDE (C/C++).
- Controlled entry gate Using Servo Motor.

### Fire extinguisher RC Robot For Human safety

This project involves designing a remote-controlled robot using Arduino that can detect and extinguish small fires in risky areas. The robot uses flame sensors to locate the fire and is equipped with a fire extinguisher system operated via RF remote. It aims to reduce human risk by enabling safe firefighting from a distance.

- Designed an RC robot to extinguish fires in hazardous areas.
- Used Arduino for motor and sensor control.
- Integrated flame sensors to detect fire sources.
- Improved fire response in unsafe environments.

## Academic and Extracurricular Achievements

- Hands-on Workshop on Electric Vehicle
- Hands-on workshop on Industrial Approach of Electrical & Electronic Components
- Mesh Bot Event Certification
- Sports : Played Cricket at District level

## Positions of Responsibility

### Sponsorship Team | Leader

- Led the Sponsorship Team During our Department's Technical Event "Technotsav 2024".
- Successfully Conducted That Event With Good Amount of Sponsorship.

### Cricket Team | Captain

- Led the team with strategic decision-making and on-field leadership across tournaments.
- Handled team selection, match planning, and in-game tactics under pressure.

## Soft Skills

- Leadership & Team Management.
- Conflict Resolution & Emotional Intelligence.
- Communication & Interpersonal Skills.
- Time Management & Punctuality.
- Decision Making & Responsibility.