

Pawan Nikam

Electronics and Computer Engineer

 Loni, Maharashtra

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 [Linkedin](#)

 [Github](#)

EDUCATION

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|--|------------------|
| • Bachelors in Electronics and Computer Engineering | 2022-2026 |
| Pravara Rural Engineering College, Loni | |
| • Higher Secondary Certificate Percentage: 87.88 | 2020-2022 |
| BhaskarachryaJr.College, Chhatrapati Sambhajinagar | |
| • Secondary School Certificate Percentage: 74.90 | 2019-2020 |
| Chate School, ChhatrapatiSambhajinagar | |

SKILLS

- **Programming:** Java, HTML, CSS,C, MySQL
- **Tools & Technology:** Git&Github, Visual Studio Code ,VMWare, Arduino IDE
- **Soft Skills:** Communication, Adaptability, Leadership

INTERNSHIPS

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|---|--------------------------|
| • Web Developer Intern , Exaltasoft Solutions Pvt.Ltd Link | Jan 2025-Feb 2025 |
| Spearheaded Agile-based web development projects, contributing to the delivery of 2 projects using HTML, CSS, JavaScript | |
| • Web Developer Intern , CodingRaja. Link | Feb 2024-Mar2024 |
| Architected and developed two web projects using an Agile framework, leveraging HTML, CSS, and JavaScript to deliver high-quality, user-centric websites. | |

PROJECTS

FPGA Based AI Accelerator For Voice Command Recognition For Smart Devices Using TinyML :

- Designed and implemented an AI accelerator on an FPGA for efficient voice command recognition, demonstrating expertise in hardware-software co-design for high-performance computing.
- Utilized TinyML principles to optimize a neural network for an FPGA, enabling ultra-low-latency and energy-efficient inference for smart devices at the edge

Online Reseume Generator : HTML,CSS, JavaScript, |[Github](#)

- Developed a online website for building a resume.
- Learned Html, CSS and basic JS.

Home Automation Using ESP32, W5500 Ethernet Module :

- Developed a **home automation system** using an **ESP32** and **W5500 Ethernet module** for stable, low-latency device control.
- Programmed a **web server on the ESP32** to enable remote control of appliances via a custom web interface.
- Engineered a wired network solution to ensure reliability, showcasing skills in **hardware-software integration** and **system design**.

Smart ClassroomAutomation Using ESP32 ,GSM SIM800l:

- Engineered a **smart classroom system** using an **ESP32** to automate devices like lights and fans Using Smartphone or from website using the blynkiot interface.
- Integrated a **GSM module** to enable remote control and status alerts via SMS for long distance remote operation and for short range there was wifi. The system automatically choose between wifi and Gsm as per availability .