

Pawan Nikam

Electronics and Computer Engineer



Loni, Maharashtra

+91-9763859591



pawannikam378@gmail.com



Linkedin



Github

EDUCATION

- **Bachelors in Electronics and Computer Engineering |** 2022-2026
Pravara Rural Engineering College, Loni
- **Higher Secondary Certificate | Percentage: 87.88** 2020-2022
Bhaskaracharya Jr. College, Chhatrapati Sambhajanagar
- **Secondary School Certificate | Percentage: 74.90** 2019-2020
Chate School, Chhatrapati Sambhajanagar

SKILLS

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

INTERNSHIPS

- **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-Mar 2024
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 Resume 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 Classroom Automation 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 .