Yashasvi Jamode

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PROFILE

Electronics and Telecommunication Engineering graduate with hands-on experience in **embedded systems, IoT, electronics, and software development**. Skilled in **Arduino, ESP8266/ESP32, circuit design, sensors, Python, C, and IoT systems**, with practical exposure to **HTML, CSS, JavaScript, ReactJS, SQL, Linux, Git, and cybersecurity fundamentals**. Experienced in developing and testing hardware-software integrated projects involving sensors, automation, computer vision, and real-time systems. Seeking entry-level opportunities in **embedded systems, electronics, IoT, systems engineering, testing, or software/technical roles**.

INTERNSHIP

UI Developer Intern – Coding Savvy 12/2024 – 01/2025 | Pune, India
Developed an "About Us" page for an eyewear website using HTML, CSS, JavaScript, Bootstrap, and ReactJS. Designed a clean, responsive, and user-friendly interface optimized for desktop and mobile devices. Collaborated with the team to improve UI consistency, usability, and overall website presentation.

PROJECTS

VoiceGlove – Sign Language to Speech Converter | Final Year Project
- Designed and developed a wearable **sign language recognition glove** using flex sensors and Arduino to capture finger movements and identify predefined hand gestures.
- Implemented **real-time sensor data acquisition, signal processing, and gesture classification** using sensor readings to recognize different sign patterns.
- Integrated the hardware with a **Python-based text-to-speech system** to convert recognized gestures into audible speech for real-time communication assistance.

Smart Traffic Light System Using AI & IoT
- Developed an **AI-based traffic management system** using YOLOv8 to detect vehicles through a laptop webcam and estimate traffic conditions in real time.
- Implemented and tested the **hardware-software interface** for dynamic traffic light control based on detected vehicle density.

Buzz-Temp: Smart Temperature Alert System
- Developed an **IoT-based temperature monitoring system** using an LM35 sensor and Bolt Wi-Fi module for real-time temperature data acquisition.
- Implemented **Python-based threshold logic and alert functionality** to detect temperature conditions exceeding predefined limits.
- Performed **sensor testing, data validation, debugging, and system-level testing** in a Linux environment to ensure reliable temperature monitoring.

Elegant Vision: Responsive Webpage
- Developed a responsive **"About Us" webpage for Elegant Vision**, an eyewear website, using HTML, CSS, and Bootstrap.
- Implemented **structured layouts, responsive design, and consistent styling** to provide a clean and user-friendly interface.
- Optimized the webpage for **desktop and mobile screen sizes**, ensuring proper content alignment and usability.

Pizza Store: Personal project
- Developed a **responsive static pizza store website** using HTML, CSS, and JavaScript with structured product/menu sections and interactive UI elements.
- Implemented **responsive layouts, navigation, styling, and basic JavaScript interactions** for an intuitive user experience.
- Tested the website across different screen sizes to ensure **consistent layout, functionality, and mobile compatibility**

TECHNICAL SKILLS

Core Engineering Skills:
Embedded Systems, IoT Systems, Sensor Integration, LM35 & Analog Sensors, Circuit Design, Hardware Debugging, System Testing & Validation, Basic Electronics, Microcontroller-Based Systems, Hardware–Software Integration.

Programming & Tools:
Python, C, Java, SQL, Linux/Ubuntu, Git, GitHub

Web Technologies:
HTML, CSS, JavaScript, Bootstrap, ReactJS, Responsive Web Design.

Cybersecurity:
Network Scanning, DoS/DDoS Concepts, Linux/Kali Linux, Nmap, Wireshark, Burp Suite, Metasploit, Proxychains, Tor, Spoofing, System Hacking.

Soft Skills:
Teamwork, Time Management, Communication, Adaptability, Creativity, Self-learning

CERTIFICATES

- Internet of Things & Machine Learning – Bolt IoT Training & Certification
- Cybersecurity Analyst Virtual Internship – TATA Forage
- Certified Ethical Hacker- Inter Council Education Institute

EDUCATION

Bachelor of Engineering – Electronics & Telecommunication | 2022–2026 CGPA: 6.74/10 | Final Year SGPA: 8.03/10 11/2022 – 06/2026 | Pune, India
RMD Sinhgad School of Engineering

EXTRACURRICULAR ACTIVITIES

Rubicon Soft Skills Training Program:
Completed training focused on communication, teamwork, leadership, and professional skills.