

Aditya Mittha

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[LinkedIn](#)

Location: Solapur, Maharashtra

[GitHub](#)

CAREER OBJECTIVE

Motivated and detail-oriented Embedded Systems Engineer with a strong foundation in IoT, C/C++ programming, and hardware-software integration. Passionate about developing energy-efficient and innovative smart devices. Seeking an entry-level role to apply my skills in building real-world, impactful solutions in embedded systems and IoT domains.

EDUCATION

B.Tech in Electronics and Telecommunication Engineering
Walchand Institute of Technology (W.I.T), Solapur
2023 – 2027 | 9.45 CGPA

SKILLS

- Programming Languages: C, Embedded C, Python
- Microcontrollers & Boards: ESP32, Arduino, Raspberry Pi
- Tools & Software: Arduino IDE, Proteus, Wokwi, Firebase
- Technologies: Embedded Systems, IoT, Analog and Digital Circuits, PCB Design & Soldering
- Web Dashboard: Blynk IoT, Ubidots IoT

PROJECTS

Smart Biometric Plant Care System (2024 – 2024)

- Real-time monitoring using ESP32, DHT22, OLED, servo motor, and soil sensor.
- Controlled via a custom website with speech input, crop data API, weather forecast, and pump automation.

AI-Based Line Tracker Robot (Sep 2024)

- Used Esp-32, reflectance sensors, and AI logic for smart path navigation.
- Designed for high-precision, self-correcting movement.

IoT-based Smart Air Purifier (Simulated on Wokwi)

- Monitored indoor AQI with automatic purification control and energy-saving mode.
- Real-time alerts for filter replacement and critical pollutant levels.

INTERSHIP EXPERIENCE

Programming Intern – Techohacks (Remote) (Sep 2024 – Oct 2024)

- Built practical mini-projects using C and embedded programming.
- Strengthened debugging and simulation skills in virtual environments.

CERTIFICATIONS

- AWS IoT Training – AWS, Sep 2024
- Design Thinking for Innovation – Coursera

STRENGTHS

- Quick Learner with a Strong Grasp of Electronics and Coding Concepts
- Creative Problem Solver with Attention to Detail

- Strong Communication and Team Collaboration Skills
- Excellent at Turning Concepts into Real-World Prototypes

Passion

I'm passionate about innovating in embedded systems, with a goal to create smart, affordable, and sustainable solutions for everyday challenges—especially in agriculture, health tech, and smart home automation. I love building hands-on projects that merge coding with hardware to improve lives.

Extracurricular Activities

- Winner – National-level Electronics Quiz (Quizotronics)
- Joint Treasurer – ISTE Student chapter, Walchand Institute of Technology

Languages

- English (Fluent)
- Hindi (Fluent)