

Shiva Dulam

Electronics & Embedded Systems Engineer

shivadulam6@gmail.com · github.com/ShivaDulam-06 · linkedin.com/in/shiva-dulam · India

Summary

B-TECH Electronics and Computer Engineering student focused on embedded systems, IoT connectivity, and PCB design. Comfortable working across the stack from circuit board to firmware, with hands-on exposure to microcontroller-based projects and a structured embedded/IoT internship. Seeking junior roles in embedded systems and IoT/edge AI engineering.

Skills

- **Electronics & PCB Design:** Analog circuits, digital circuits, schematic design, PCB design, soldering, oscilloscope, logic analyzer, power electronics
- **Microcontrollers & Embedded Systems:** STM32, ESP32, Arduino, ARM Cortex-M, AVR, PIC, I2C, SPI, UART, ADC/DAC
- **Firmware Development:** C, C++, Embedded C, Python, FreeRTOS, bare-metal programming, interrupts, DMA, linker scripts
- **IoT & Connectivity:** Wi-Fi, BLE, MQTT, ESP-IDF, TinyML, Edge AI
- **Tools & Software:** KiCad, Altium Designer, STM32CubeIDE, PlatformIO, Git, OpenOCD, ST-Link, Keil MDK

Experience

Embedded & IoT Intern — Upskill Campus × UniConverge Technologies Pvt. Ltd. September 2026 (1 month)

- Worked on a Smart Agriculture Monitoring System, applying embedded systems and IoT concepts to a real-world agricultural use case as part of a structured virtual internship program.

Education

- ☐ **JBIE**T—B.Tech, Electronics and Computer Engineering Expected graduation: [2029]

Self-Directed Coursework

- MIT 6.002 (Circuits and Electronics) and Electronics-Tutorials.ws — core analog/digital electronics
- Neso Academy — digital electronics, C programming
- CS50 and Jacob Sorber (YouTube) — programming fundamentals and systems-level C