

Utkarsh Verma

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Summary

A passionate computer hardware enthusiast with a strong foundation in electronics and embedded systems. Always eager to learn new technologies, experiment with microcontrollers, and build projects that bridge software with hardware. A fast learner, adaptable, and driven by curiosity.

Education

The National Institute Of Engineering, Mysore

Bachelor of Engineering (B.E.), Electronics and Communication Engineering

Expected Graduation: 2028

Skills & Technologies

- Programming: Python, C
- Microcontrollers: STM32, CH32V003
- Version Control: Git, GitHub
- Operating Systems: Linux (3+ years of experience)
- Embedded Systems & Hardware: RISC-V, ARM Cortex

Achievements

Samsung RISC-V Internship Certificate

Gained hands-on experience with RISC-V architecture, low-level programming, and hardware optimization.

Projects & Experience

- Worked with STM32 microcontrollers to develop embedded applications.
- Built a 4-bit binary counter using CH32V003 and LEDs.
- Explored LLMs for personal projects, customizing them for unique responses.
- Comfortable with Linux-based development for embedded and system-level programming.

Interests

- Computer architecture & low-level programming
- Embedded systems & microcontroller-based projects

- Open-source software and hardware