



ABOUT

I'm an Electronics and Telecommunication student with hands-on experience in embedded systems development, C programming, and PCB design through multiple personal and team-based projects. I'm a fast learner who thrives on building functional circuits and systems from scratch, and I've developed a strong foundation in microcontroller programming, circuit debugging, and embedded design tools like Altium Designer. I'm now eager to bring these practical skills to a focused R&D team where I can continue learning and contributing to real hardware-software solutions.

EDUCATION

Savitribai Phule Pune University

Bachelor's Degree in Electronics and Telecommunication
2022 - 2026

SKILLS

- **Programming** : C language (embedded C)
- **Microcontrollers**: 8051, Arduino, ATmega, ATtiny series
- **Communication Protocols**: UART (via Arduino serial), ISP (Atmel), basic SPI (familiar)
- **PCB Designing** : Altium Designer Professional
Tools : GitHub, Figma, Canva, DMM, DSO, Dual Power Supply
- **Product Designing** : TinkerCad, 3D printing
Project Prototyping, Soldering, PCB Repairing, Circuit Debugging
- **Soft Skills**: Team Leadership, Documentation, Fast Learning via Projects

Please Visit my Portfolio Website, You will get all my project and skill details there, link mentioned in Links section

LINKS [Click on Profiles / scan QR code]

[Github](#)

[LinkedIn](#)

[Portfolio Website](#)



PROJECTS AND EXPERIENCE

Bootloader Burner Circuit for DIPIC's (PCB Design)

- Position : Team Leader
- Section : Hardware and Software
- Skills Dev. : PCB Design, Altium Designer Professional, Arduino IDE and Microcontroller Protocols
- Experience : 3 Months
- Designing a custom PCB to burn bootloaders for ATmega328P, ATtiny85, etc.
- Programming via Arduino and Atmel protocols, with compact IC bed layout.

STM32U6 Custom Development Board, PCB Design

- Designed a 4-layer STM32F411CEU6 development board in Altium with complete schematic, layout, and manufacturing files.
- Added USB (differential pair), 12 MHz crystal, and SWD programming interface.
- Verified design (ERC/DRC clean) and generated full Gerbers, and BOM for fabrication.
- Built a working prototype, layout optimized for low noise and easy prototyping via GPIO headers.

ACHIEVEMENTS

Hackthons :

- **TECH COMBACT 2.0 Hackthon (2023)**

Secured 2nd place among 60+ teams in the SIH Internal Hackathon 2023.

Position : Team Leader

- **HACKBYTES Hackthon (2024)**

Secured top 5 position in the SIH Internal Hackathon out of 40+ teams.

Position : Team Leader

CERTIFICATIONS [genuine certificates, verifiable]

- Altium Designer Professional **Certificate**
- Advanced PCB Design Udemy **Certificate**
- MultiOS installation, BIOS, MBR **Certificate**