VAIBHAV KAWADE
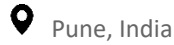
Vaibhav.kawade@mitaoe.ac.in | (+91) 9130601015

Pune, India   @classyvaibhav   /classyvaibhav

SUMMARY

A result-oriented Electronics & Telecommunication Engineering student with a strong foundation in Embedded C Programming, MATLAB, and Embedded Systems. Demonstrated leadership skills through significant roles in academic and extracurricular activities. Proactive learner with a passion for DIY electronics projects and exploring new technologies. Committed to applying theoretical knowledge to practical applications, as evidenced by a range of academic projects.

SOFT SKILLS

- **Leadership | Management | Creativity | Communication | Critical Thinking**

TECHNICAL SKILLS

- **Programming Languages**: Embedded C, Shellscript, Python
- **Platforms**: STM32, PIC18F4550, Raspberry Pi, Arduino
- **Operating Systems**: Embedded Linux, RTOS
- **PCB Design**: Altium Designer, KiCad
- **Tools:** STM32CUBE IDE, MATLAB, Keil, VS Code, Thonny
- **Communication Protocols**: SPI, I2C, CAN, UART, CC-Link
- **Specialized Skills**: PCB Design, VLSI Verilog, Robotics and AI, IoT Integration

EDUCATION

- **Bachelor of Engineering** in E&TC Engineering MIT Academy of Engineering, Pune
  Graduation Year: 2025   *7.2 CGPA*
- **Diploma in E&TC Engineering** | Government Polytechnic, Dharashiv   *86.00%*
- X (State Board) | Vidhya Vikas Highschool, Dharashiv   *77.40%*

INTERNSHIPS

1. **Loco Shed, Central Railway, Ghorpuri, Pune**
   June 27th to July 24th, 2024
   Worked on power electronics, Linux-based Driver Display Units. Contributed to maintaining safety systems, testing meters.
2. **Microchip Embedded System Developer Virtual Internship**

ACADEMIC PROJECTS

- **IoT-Based Automated Bottle Filling and Capping System with CAN Integration on Raspberry Pi**
- **Real Time Implementation of CAN Protocol**
- **Warehouse Management System Using CC-link Protocol Devices and STM32**
- **Weapon Detection and Alert System**
- **IOT Based Air Quality Monitoring System**
- **Face Recognition Based Attendance System Using ESP32 CAM**
- **Automated Bottle Filling & Capping System** *(Diploma project)*

POSITION OF RESPONSIBILITY

- **President | SPARK CLUB, MIT Academy of Engineering |** *(Dec 2022 - Present)*
  Organize various tech workshops and events for students under spark club.
- **Team Lead |TechnoPHILIA,24**   *(Apr 2024)*
  Led a national-level project competition and poster presentation event.