DEVYANI DEVMORE

B.TECH(ENTC) STUDENT

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PROFILE

Currently pursuing a B.Tech in Electronics and Telecommunication Engineering with a focus on analog and digital semiconductor technologies, including CMOS technology. Completed a 10-week Embedded System Developer Virtual Internship with EduSkills and the TCS Career Edge course, gaining hands-on experience and enhancing professional skills.

EDUCATION

- **B.Tech E&TC**
  Pimpri Chinchwad College of Engineering, Pune(2022 - 2026)
  Honours in Semiconductor Technology

- **A N N Jr. College, Jaysingpur**
  HSC Score:85%
  CET Score-96.96
- **Jantara Kalpavruksha Vidya Mandir, Jaysingpur** (2019-2020)
  SSC Score: 92.40%

SKILLS

- PCB Design
- Circuit Design
- Microcontroller
- Embedded Systems Development

SOFTWARE TOOLS

- Multisim
- Proteus
- EDA Tools
- Matlab

CERTIFICATIONS

- Tcs Lean Skill
- 3D printing Workshop
- VLSI System on Chip Design
- WNS Career readiness Certification

PROJECTS

- **Text Communication between two arduino using lifi technology** (Jan 2024 -April 2024)
  Textcommunication between two Arduino boards using Li-Fi technologyinvolvesmodulating an LED to transmit data as light pulses, which are received by a photodiode or LDR and decoded back into text by the receiving Arduino. This setup enables wireless data transfer using visible light.

- **Multi-Controlled Wheelchair for Enhanced Mobility and Safety** (Aug 2024 – Dec 2024)
  Designed anddeveloped an advanced wheelchair system utilizing gesture-based andvoicecommandsto assist individuals with physical disabilities. Integrated sensors such as the APDS9960 for gesture recognition and HC05 Bluetooth module for wireless control. The system employed Arduino Uno for processing, voice command modules, and gesture sensors.

- **Semi-Autonomous Truck for Mining Industry** (Jan 2025 – may 2025)
  Developed a semi-autonomous mining truckutilizingAI, GPS,and IoTfor efficient navigation and obstacle detection in rugged terrains. The system integrates AI-driven path planning, sensor-based obstacle detection, and IoT-enabled monitoring to enhance safety and fuel efficiency, improving overall mining productivity and transport operations.

WORK EXPERIENCE

- Microchip embedded system developer virtual internship(Jul 2024- sep 2024)
- President of Institute of innovation and council at PCCoE (Present)