

## SKILLS

- **Languages:** HTML, CSS, C, C++
- **Soft Skills :** Problem Solving, Communication, Social Interaction, Productivity, Leadership
- **Tools:** Figma, Kicad, Arduino IDE, LTspice, MS Excel, VS Code, MATLAB, Canva, PCB, Soldering

## EDUCATION

<b>Vidyalankar Institute Of Technology</b>	<b>2021-2025</b>
B.E in Electronics Engineering	SGPA 8.1
<b>HSC   Dayanand Science College</b>	<b>2021</b>
Latur	94.17%
<b>SSC   Keshavraj Vidyalaya</b>	<b>2019</b>
Latur	78.20%

## PROJECTS

- Soil Monitoring System Using Solar Energy** **2023-24**
- Designed and implemented a solar-powered soil monitoring system using Arduino, DHT11, Servo Motor, LDR sensors, and an LCD display. Improved irrigation precision and reduced water wastage, promoting sustainable agriculture.
- Advanced: Incorporated an ESP8266 module for remote monitoring and control via Blynk console.
- Full Home Automation System | IoT | Nodemcu ESP8266 & Blynk** **May 2024**
- Designed a smart home system integrating DHT11, MQ2, PIR, Flame, and Ultrasonic sensors for real-time monitoring.
  - Enabled remote control of appliances via a two-channel relay module using IoT.
  - Implemented the Blynk app for seamless internet-based control and monitoring.

## EXPERIENCE

- PCB Design Course with hands-on projects** **2024-25**
- Completed a hands-on course on PCB design using KiCad. Learned schematic, component placement, and routing techniques. Designed and tested functional PCB prototypes for electronics projects.
- Breadboard Power Supply PCB | Hardware Design**
- Designed and developed a custom PCB-based power supply for breadboards, ensuring stable 3.3V & 5V outputs.
  - Created schematic and PCB layout using KiCad/Eagle with proper component placement, routing, and silkscreen design.
  - Conducted Electrical Rules Check (ERC) & Design Rules Check (DRC) to ensure manufacturing accuracy.

## RELEVANT COURSEWORK

- **Embedded Systems:** Studied microcontrollers, real-time operating systems, and communication protocols like SPI, I2C, CAN, and UART.
- **Internet of Things:** Developed knowledge of sensor integration, communication protocols, cloud connectivity, and real-time data processing.
- **Electronics devices and Circuits / VLSI:** BJT's, MOSFET's etc..
- **Linear Integrated Circuits:** Learned about OP-AMPs, filters, Voltage regulators, special ICs, Data converters( ADC/DAC)

## EXTRACURRICULAR ACTIVITIES & INTERESTS

- **Hobbies:** Cinematography, Photography & Photo-Video Editing, Cycling, Trading.
- **Athletics Head, Sports Council:** Led the athletics team, organized college sports events, and ensured smooth execution of college activities.