

# VIVEK DESHMUKH

• Pune City • +918459185470 • vivekdeshmukh8055@gmail.com

## SKILLS

- Circuit Design & Analysis
- Analog & Digital Electronics
- Embedded Systems (Arduino, STM32, ESP32)
- Programming: C, C++, Verilog, MATLAB, Keil
- Communication Systems (Wireless, IoT, Radar)
- IoT & Embedded Networking (UART, SPI, I2C)
- PCB Design (EasyEDA, KiCad, Eagle)
- Signal Processing (DSP, filters, modulation)

## WORK EXPERIENCE

**Visual Inspector, EETAMAX Energy Solution Pvt Ltd.**

**Jun-Jul 2023**

- Performed visual inspection and quality checks of electrical/electronic components to ensure compliance with standards.
- Identified defects, prepared inspection reports, and supported the production team in maintaining product reliability.

**Technical Assistant, Mahindra Accelo**

**Jul-Aug 2024**

- Worked on wiring and assembly of robotic arms, including integration of sensors and actuators.
- Assisted in camera setup, sensor connections, and testing for automation systems.
- Supported engineering team in troubleshooting and improving robotic prototypes.

## EDUCATION

**B. Tech in Electronics and Telecommunication Engg.(pursuing)**  
Pimpri Chinchwad College of Engineering, Nigdi

**Aug 2024 - May 2027**  
CGPA: 8.57

**Diploma in Electronics and Telecommunication Engg.**  
Government Polytechnic Ahilyanagar

**Oct 2021 - May 2024**  
Percentage: 91.29%

**SSC**  
Dnyansarita Viyalaya Vadgaon Gupta, A.Nagar

**Oct 2021 - May 2024**  
Percentage: 87.20%

## ACADEMIC PROJECTS

### 1. LandSpy Guard

- Built a surveillance and landmine detection system using ESP32-CAM with wireless control, GPS tracking, and real-time location display on a web dashboard.
- Integrated environmental monitoring (temperature & humidity sensors) along with a deauther defense system for secure wireless communication.

### 2. NextRide

- Developed a smart mobility system with GPS & IoT integration for real-time vehicle tracking, route monitoring, and geofencing.
- Implemented safety features like accident detection, automated alerts, and a black-box style data storage system ensuring data is preserved even after accidents.

### 3. Digital oscilloscope using STM32, Smart clap pattern recognize to control home appliances

## ACHEIVEMENTS

- Secured Topper position in Diploma in Electronics & Telecommunication Engineering (ENTC).
- Selected twice as Team Leader for DIPEX Project Exhibition (2024 & 2025). Project ranked in Top 5 and selected to be presented to CM Devendra Fadnavis at DIPEX 2025.