



BRIEF SUMMARY

I have a strong interest in Business and electronic component exportation and learning new technologies, practical projects, and I like solving real-life problems. I always try to improve my skills, work with dedication, and I have interest in Business because of Family Background.

KEY EXPERTISE

LoRa Communication Problem Solving Data Monitoring and Analysis Team Collaboration Component Exportation

EDUCATION

MIT Academy of Engineering, Pune

B.Tech. - Electronics Engineering | CGPA: 6.94 / 10

2023 - 2027

SNBP Jr. College, Pune

12th | HSC | Percentage: 62.83 / 100

2023

Podar International School, Pune

10th | CBSE | Percentage: 68.60 / 100

2021

INTERNSHIPS

Victora Industries Pvt Ltd | Automotive / Ancillaries / Automobile

02 Jun, 2025 - 14 Jul, 2025

Key Skills:

Teamwork and communication Basic electronics and circuit handling Practical knowledge Industrial work experience

I learned about the company's core functions, worked on practical electronics tasks, and gained good industrial experience.

Aaradhya Coating Solution | Automotive / Ancillaries / Automobile

25 Jun, 2024 - 25 Jul, 2024

Key Skills:

Problem-solving and analytical thinking Team collaboration for project Hardware interfacing and testing Practical Knowledge

I learned how real projects work, It helped me understand practical concepts, improve my technical knowledge, and gain work experience.

PROJECTS

Hand Gesture Controlled Car Using Arduino Nano

Key Skills: Arduino Nano programming Sensor interfacing Wireless communication Motor control and circuit wiring

This project is about controlling a car using hand gestures instead of buttons or a remote. The system uses an Arduino Nano, accelerometer sensor, and motor driver to move the car in different directions based on hand movements. It helps in understanding wireless communication and sensor-based control systems

Water Tank Level Indicator

Key Skills: Basic circuit design IC and LED interfacing

This project shows the water level in a tank using different colour LEDs and gives a buzzer alert when the tank is full. It is made using simple electronic components like an IC, LEDs, and a buzzer without using any microcontroller, It helps in saving water and preventing overflow.

IoT based Farm Monitoring System using LoRa

Key Skills:

sensor connection LoRa communication setup Blynk app integration for real-time data Data monitoring and analysis

Esp programming

This project helps to check farm conditions like soil moisture, temperature, and humidity from anywhere. The sensors send data using LoRa and show it on the Blynk app. It helps farmers to watch their farm easily and take better care of crops.

Water Quality Monitoring and Alert System Using ESP32

Key Skills: ESP32 programming IoT data monitoring on Blynk app Sensor interfacing (TDS, turbidity, temperature)

This project checks the quality of water using sensors connected to an ESP32. It measures values like TDS and turbidity to find if the water is clean or dirty. The data is sent to the Blynk app, and an alert is given if the water quality is poor.

Automatic Plant Watering System

Key Skills: Automatic control system Basic circuit design

This project helps water plants automatically when the soil becomes dry. A soil moisture sensor checks the moisture level and controls a water pump using a microcontroller or simple circuit. It saves water and keeps plants healthy without manual work.

Smart Sanitization Monitoring System using LoRa

Key Skills: ESP32 and LoRa communication IoT-based alert system Wireless data transmission using node

This project checks the sanitization status of public places using sensors and LoRa communication. Each node has sensors like a gas sensor (MQ135), water flow sensor, and PIR motion sensor connected to an ESP32. The data is sent through LoRa to a central system and displayed on an OLED screen. When any issue or low sanitizer level is detected, an alert is sent to the Mahanagar Palika through IoT for quick action.

PERSONAL INTERESTS / HOBBIES

- Chess, Cricket, Playing PC Games, GYM, Driving car, etc

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: A/P kuruli Dongrewasti road,tal-khed dist
pune, Pune, Maharashtra, India - 410501

Emails: rajmedankar6696@gmail.com , 202301060048@mitaoe.ac.in

Date of Birth: 23 Aug, 2005

Known Languages: Marathi,English,Hindi

Phone Number: +91-9075006696