

ROHAN PATARE

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Electronics Engineer

Highly motivated and detail-oriented Electronic Engineer with a strong foundation in mechatronics and extensive hands-on experience in industrial automation. Eager to contribute technical skills and leadership abilities to a dynamic engineering team.

I am passionate about applying my knowledge and skills to solve real-world problems and create a positive social impact.

WORK EXPERIENCE

Varroc Engineering Pvt. Ltd. • Waluj, Chhatrapati Sambhajnagar. 12/2024 - 01/2025

Manufacturing of light assembly, LED PCB Fitment division & Head lamp division

Intern • Internship

Ashish Electricals • Jalgaon 06/2024 - 07/2024

Manufacturing, Repairing of power distribution and transformer

Intern • Internship

EDUCATION

Bachelor of Technology - BTech in Electronic and telecommunication

Government Collage Of Engineering, Jalgaon 11/2022 - Present

Diploma in Mechatronics

Indo-German Tool Room, Chhatrapati Sambhajnagar • Chhatrapati Sambhajnagar • GPA: A 06/2019 - 06/2022

Skills: PLC Programming • PLC Ladder Logic • Electro-pneumatics • Programmable Logic Controller (PLC) • SCADA • AutoCAD • Pneumatics • Hydraulic Systems

PROJECTS

Speaking System for Mute People. 09/2024 - Present

Government Collage Of Engineering, Jalgaon

Project Overview:

Project aimed at empowering individuals with speech disabilities—a Speaking System for Mute People. This innovative solution seeks to bridge the communication gap by converting sign language or gestures into audible speech.

Access-control Tea Vending Machine 02/2024 - 05/2024

Government Collage Of Engineering, Jalgaon

Project Overview:

The project proposes the design of an Automatic Tea Vending Machine using Arduino and RFID technology. The primary objective is to introduce an advanced technological application into society, providing a secure and efficient method for dispensing tea. The system identifies users through RFID tags and allows them to select the desired product after their card is scanned. This initiative aims to cater to the specific needs of consumers, particularly in the small-scale sector, by ensuring a user-friendly and secure experience.

Temperature and face mask detection system 01/2022 - 05/2022

Indo-German Tool Room, Chhatrapati Sambhajnagar

Project overview:

The main aim of the project is to build safety devices for COVID-19 safety rules to reduce disease spread. We focus on the most common indoor measurement system to allow people. This project makes use of temperature sensors to detect

the body temperature and a camera to detect the mask, whether the person is wearing a mask or not, and a 16×2 LCD which displays the temperature of the person. We introduce an affordable COVID-19 indoor safety system.

Energy Generation using Piezoelectric Sensor

08/2021 - 11/2021

Indo-German Tool Room, Chhatrapati Sambhajinagar.

Project Objectives:

The project aims to generate electrical energy through the piezoelectric effect, which involves converting mechanical energy into electrical energy.

Key objectives include:

Efficiently harnessing mechanical energy from various sources.

Storing the generated energy in a battery system.

Sumo-Bot

10/2019 - 12/2019

Indo-German Tool Room, Chhatrapati Sambhajinagar.

Project Objectives:

To build a functional sumo bot capable of participating in sumo robot competitions.

To Integrate an Arduino microcontroller for autonomous control and decision-making.

To implement a Bluetooth module to enable wireless control and communication between the bot and a remote control device (such as a smartphone).

To optimize the bot's design for stability, speed, and strength to improve its chances of winning sumo matches.

VOLUNTEERING & LEADERSHIP

Government Collage Of Engineering, Jalgaon

01/2024 - 06/2024

Discipline Committee Head • Jalgaon, Maharashtra

SKILLS

- AutoCAD, Effective communication, Electro-pneumatics, Hydraulic Systems, Leadership techniques., PLC Ladder Logic, PLC Programming, Pneumatics, Programmable Logic Controller (PLC), SCADA, Social media graphic design