

ISHANYA KATARE

Location : Nagpur , Maharashtra

Mob.No : +918080876180

Email Id : katareishanya13@gmail.com

SUMMARY PROFILE

Enthusiastic Electrical Engineering graduate with a solid foundation in circuit design, power systems, and automation tools like MATLAB and AutoCAD. Proven ability to apply technical knowledge through academic projects, and eager to contribute to innovative engineering environments

SKILLS

PLC (semens programming) panel wiring | Scada programming logic | | Arduino| ESP32 | ESPNOW | Microcontroller | Excel | PCB design in AutoCAD | Matlab simulation | SQL | Circuit design |

CORE SUBJECTS: Electrical Machines , Power Electronics , Power System

TECHNICAL LANGUAGES: | Python |

EDUCATION

Bachelor's Degree in Electrical Engineering at Government College of Engineering, Nagpur

SGPA : 6.27

Duration : pursuing (2026 batch)

M.P. Dev Memorial Science College, Nagpur (HSC)

Percentage : 84 %

Duration : 2020-2021

INTERNSHIP

dec2023-jan2024

Intern – MAXIMUM SOLUTIONS , IT Park , Nagpur

Gained practical knowledge about Basics of industrial automation , PLC hardware components and wiring , PLC programming (ladder logic, timers, counters) , Communication protocols (Modbus, Ethernet, etc.) , SCADA software configuration and screen design , Data monitoring and alarm systems , Industrial sensors and actuators , Troubleshooting and maintenance

PROJECTS

2023-2024

1)The Design of Star-Delta Starter Using Control Panel Wiring with PLC & SCADA :

Designed a PLC-based star–delta motor starter with control panel wiring and SCADA monitoring. Implemented PLC logic for automatic star-to-delta transition and developed a SCADA interface for real-time monitoring, control, and fault indication.

2) Automatic Water Bottle Filling System using PLC & SCADA :

2023-2024

Designed and implemented an Automatic Water Bottle Filling System using Programmable Logic Controller (PLC) and SCADA for automated bottle detection, filling, and conveyor control.

3) Air Pollution Monitoring and Control System Using ESP32 :

2025-Present

We are working on designing an automated Air Pollution Monitoring and Control System using ESP32 capable of Real-time air pollutant monitoring, AQI calculation, Automatic activation of suction and ionization, Remote alert transmission via GSM. This project is design for air pollution monitoring and control at traffic signals in cities.