

Abhishek malviya

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PROFILE

Highly motivated Electrical Engineering graduate (2025) with a strong academic foundation in Power Systems and Electrical Machines. Recently completed a 6-month intensive industrial internship in a large-scale manufacturing environment, gaining practical exposure to heavy electrical maintenance, troubleshooting, and safety protocols. Eager to leverage technical knowledge and hands-on training to contribute effectively to a core engineering team.

EDUCATION

Samrat Ashok Technological Institute , B Tech Electrical engineering 7.2 CGPA	2021 – 2025
Sanskars International School , Senior secondary Grade: 74.89%	2020 – 2021
Sanskars International School , Higher secondary Grade: 76.79%	2018 – 2019

SKILLS

core Proficiency: Circuit Analysis, Control and Power Systems, Troubleshooting, Electrical Maintenance, Embedded system

Software & Tools: C Programming, | Arduino IDE, PICSimLab, MPLAB X IDE, Proteus, Wokwi Simulator,

TRAINING & INTERNSHIPS

HEG Limited

- Gained exposure to HT/LT Motor & Transformer maintenance and 220kv power distribution (SLD) under strict LOTO safety norms.
- Assisted in breakdown analysis, root cause identification, and technical documentation for heavy electrical machinery.

National Power Training Institute, vocational training

01/2024 – 01/2024

- Completed a specialized training program covering Generation, Transmission, and Distribution.
- Gained theoretical and practical insight into Thermal Plant operations, covering turbine-generator synchronization basics

Emertxe Information Technologies, Campus Ambassador

06/2024 – 07/2024

- Promoted Emertxe's brand, increasing awareness and engagement by 30% organized events and workshops, leading to a 20% increase in sign-ups

CRISP Bhopal & Emertxe Information Technologies

03/2023 – 07/2023

- Home Appliance Control Simulations (Microwave & Washing Machine) Developed PIC16F877A-based control logic using MPLAB X IDE and PICsim Lab, simulating real-world operational states and sensor interfacing in Embedded C.

PROJECTS

Electrical Control Panel Design & Drafting

- Currently developing proficiency in EPLAN P8 by designing electrical schematics and control panel layouts. Focusing on creating standard motor control circuits (DOL, Star-Delta) and generating Bill of Materials (BOM) in compliance with IEC standards.

Automatic power factor corrector using Arduino

- developed an APFC using Arduino to enhance electrical system efficiency by maintaining the power factor close to unity. The system continuously measures the power factor, automatically adjusts it by controlling a capacitor bank, and displays real-time values on an LCD. The project effectively reduced energy losses, showcasing the practical application of Arduino in optimizing power systems

GSM and IOT based LPG gas leakage detector

- Developed an innovative LPG gas leakage detection system utilizing GSM and IoT technologies to ensure safety in residential and commercial environments. The system integrates an MQ-9 gas sensor to detect propane and butane gases, and a SIM800L GSM module to send instant SMS alerts to users, along with triggering an audible buzzer alarm