

Nikhil S Dave

✉ nikhildave4478@gmail.com | 📞 +91-8401462303
🌐 www.nikkkhil.com | 🌐 [linkedin.com/in/nikhil4478](https://www.linkedin.com/in/nikhil4478)

Summary

I am an Automation Project Associate with a strong foundation in industrial automation, SCADA systems, and software development. With hands-on experience in real-time monitoring and control, I have a proven record of delivering effective solutions in the automation domain. I excel in programming languages and technologies that drive efficiency and streamline processes in automation projects.

Skills

Core Skills: Industrial Automation, SCADA Concepts, HMI Visualization, Alarm Management, Interlocks, Real-Time Monitoring & Control

Programming & Control: LabVIEW, C/C++, Python, PLC Ladder Logic, SQL

Technologies and Protocols: TIA Portal, NI Environment, Modbus, TCP, RTU

Power Skills: Attention to Detail, Root Cause Analysis, Team Collaboration

Work Experience

Hpanel Electrical Solutions, Vadodara

Apr 2024 - May 2025

Automation Project Associate

- Contributed to the research and development of fully automatic transformer testing panel SCADA systems in an industrial environment.
- Designed and visualized automation logic including test control, monitoring, alarm indicators and results display on HMI.
- Implemented calculations, control logic and automated NABL-compliant reports generation using LabVIEW.
- Integrated real-time data acquisition from industrial meters and instruments (power analysers, voltage, ratio, and resistance).

Education

Parul University Vadodara

Jun 2023 - Jun 2026

B.Tech. in Computer Science and Engineering

CGPA: 7.12/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

Project Work

- **Soil Mineral Analysis–Based Crop Recommendation System (2022)** Diploma Final Year Project: Developed a system to analyze soil mineral data and provide crop recommendations based on nutrient levels, focusing on data processing, logic implementation, and result interpretation.
- **Real-Time Harmonics Detection and Monitoring System (2023)** B-Tech final year project: Developed a real-time system to analyze current harmonics, visualize trends on an HMI/SCADA interface, and generate alerts for abnormal harmonic levels to support power quality monitoring.
- **Fully Automatic Transformer Testing Software (2023)** Industrial Project: Hpanel Electrical Solutions
Conceptualized the idea of converting manual transformer testing into a fully automatic, software-driven testing system and collaborated with Hpanel Electrical Solutions for implementation.

Awards and Certificates

- **Certificate of appreciation:** azadi ka amrit mohatsav 2022 awarded by shree kiran bedi for soil mineral analysis based crop recommendation system