




# Devang Manish Sakle

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## EDUCATION

**Manipal Institute of Technology**  
*BTech, Electrical and Electronics Engineering*

2022 – Present

## EXPERIENCE

**Adani Electricity Mumbai Limited** | *Intern*

Jun – Jul 2025

- Completed a project on *Network Operations, SCADA Maintenance, ABT Process*.
- Gained an overview of network operations for Mumbai Distribution Business.
- Studied Supervisory Control and Data Acquisition (SCADA) system.
- Analyzed the Availability Based Tariff (ABT) process.

## PROJECTS

**EV Thermal Management & Renewable Integration**

Nov 2024

- Surveyed EV thermal management systems: liquid cooling, phase-change materials.
- Investigated renewable energy integration and Vehicle-to-Grid (V2G) technology.

**Environmental Impact of Renewable Energy Integration**

Oct 2024

- Researched renewable energy integration in grids and heating/cooling systems.
- Analyzed biogas upgrading, solar adoption, and sustainability impacts.

**Solar PV Based Control System**

Apr 2024

- Implemented MPPT system (Perturb & Observe algorithm) for solar optimization.
- Focused on sustainable, ethical deployment of automation technologies.

**Pressure Sensing System using 8051**

Dec 2023

- Designed system with 8051, ADC0804, and MPX4115 pressure sensor.
- Developed LCD-based real-time data display software.

## SKILLS

**Languages:** MATLAB, Assembly, C, SQL, Verilog

**Tools & Frameworks:** Simulink, AutoCAD, LabVIEW, LTspice, Keil uVision, AutoDesk Fusion 360, Proteus, Excel.

## POSITIONS OF RESPONSIBILITY

**NSS Leader** | *National Service Scheme*

2022 – 2024

- Led community service initiatives on social welfare and environment.
- Coordinated volunteers and partnered with local organizations.

**Core Committee - Vigilance** | *Revels 2025, TechTatva 2024*

2024 – 2025

- Ensured smooth execution of events by maintaining order.
- Collaborated with organizers to address disruptions proactively.

## EXTRACURRICULAR

**Badminton Winner** | *Saamarthy Inter-Branch*

Sep 2024

- Secured 1st place in men's singles badminton.

**Club Member** | *LDQ, BrahmaDhawani, TMR, IEEE*

- Organized and contributed to creative technical and cultural events.

## CERTIFICATIONS

- **Google Project Management (Google)**
- **Excel Basics for Data Analysis (IBM)**