

SUMIT RAJU BHANGALE

B.Tech Student in Electrical Engineering

+91-8551953125 | sumitbhangale06@hotmail.com | Pune, Maharashtra

Summary

Motivated B.Tech student specializing in Electrical Engineering with a minor in Computer Science. Eager to apply strong technical fundamentals and critical thinking in a dynamic work environment while continuously enhancing skills in emerging technologies. Hands-on internship and leadership experience preparing me to contribute effectively across Core Electrical and IT domains.

Technical Skills

Software & Tools: PLC & SCADA, MATLAB, AutoCAD Electrical, PSIM

Programming: Python

Core Areas: Switchgear Maintenance, Power Plant Operations, Solar Energy, Wind Energy, Control Systems

Relevant Coursework: Power Systems, Electrical Machines, Power Electronics, Control Systems, Microcontrollers

Languages: English, Hindi, Marathi, Japanese (Basic)

Experience

Pranav Switchgears

Dadar, Maharashtra

Trainee Engineer (Switchgear Technician) – Internship

3 Months

- Performed maintenance of circuit breakers, relays, and all types of switchgear equipment under supervision.
- Assisted in testing, troubleshooting, and servicing of switchgear assemblies to ensure operational reliability.
- Gained practical exposure to electrical protection systems and industry safety standards.
- Worked alongside senior engineers, strengthening fault-diagnosis and preventive-maintenance skills.

Adani Thermal Power Plant – Dahanu

Dahanu, Maharashtra

Intern

May 2024 – June 2024

- Completed hands-on training in power plant familiarization and operational dynamics of thermal power generation.
- Analyzed turbine, boiler, and generator operations to gain performance and efficiency insights.
- Acquired knowledge of plant safety protocols and control systems to support compliance.

Projects

Charged Capacitor Emergency Braking System for EVs

2026 – Present

- Designing a capacitor-based emergency braking method that improves braking efficiency and reduces dependency on friction-based systems.
- Aims to minimize wear and tear of mechanical components while enhancing overall vehicle safety.

EcoLumina – Smart Solar Lamp with BMS

2025 – 2026

- Developed a smart solar lamp integrated with a Battery Management System (BMS) for efficient energy storage.
- Integrated a motion-detector sensor to reduce energy loss and optimize power consumption.

Education

JSPM's Rajarshi Shahu College of Engineering (RSCOE)

Aug 2023 – May 2027

B.Tech in Electrical Engineering (Minor in Computer Science)

Pune, Maharashtra

Strengths

- **Teamwork & Adaptability:** Strong ability to collaborate in teams and adapt quickly to new environments.
- **Communication:** Clear and effective communicator across technical and non-technical audiences.
- **Leadership:** Proven leadership and organizational skills through sports captaincy and community roles.

Achievements & Activities

- Led the college basketball team to victory in the Gandharva 2K23 tournament.
- Served as Treasurer of the Rotaract Club, organizing and managing community events.
- Hobbies: Basketball and reflective writing.