

Abha Pande

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College Email: pandead_2@rknec.edu | Date of Birth: 21st July 2005



PROFESSIONAL SUMMARY

Motivated B.Tech Electrical Engineering student with a strong academic record and hands on internship experience in electrical substations and distribution systems. Demonstrated leadership as Treasurer of the Electrical Engineering Students' Association. Eager to apply technical knowledge in real world.

SKILLS

Technical Skills

- Programming: Object Oriented Programming (OOP) in Java
- Software and Tools: MATLAB, MS Office (Excel, Word, PowerPoint, Teams)
- Core Subjects: Power Systems, Electrical Machines, Power Electronics, Electrical Measurement and Instrumentation

Soft Skills

- Leadership, Teamwork, Problem Solving, Presentation and Communication

EXPERIENCE

- *Intern* (June 2025-July 2025)
Maharashtra Metro Rail Corporation Ltd. (MAHA-METRO), Nagpur
 - Observed basic operations of electrical substations and distribution systems.
 - Gained introductory exposure to safety practices and substation equipment.

PROJECTS

- Fault Detection in PV System using Machine Learning (January 2026-Present)
Industry Associate: SBN AI & Consulting Pvt. Ltd., Nagpur
 - Developing ML based fault detection system for photovoltaic solar systems.
 - Using parameters: Voltage, current, power and humidity as input features.
 - Implementing Random Forest classification algorithm for fault identification.
 - Working with real world dataset analysis and processing.
- Smart Irrigation System (January 2026)
 - Built an automated smart irrigation system using Arduino UNO, soil moisture sensor and 5V relay module.
 - Gained experience with Arduino programming, sensor interfacing and relay control circuits.
- Mini Project - Electronic Letter Box (March 2024)
 - Developed an electronic letter box using IC 555 and LDR to detect the presence of mail.
 - Gained basic understanding of light-based sensing circuits and electronic components.

EDUCATION

- Shri Ramdeobaba College of Engineering and Management, Nagpur (2027)
B.Tech Electrical Engineering CGPA: 8.22
- Centre Point School, Katol Road, Nagpur (2023)
Higher Secondary Certificate, Percentage: 73%
- Delhi Public School, Kamptee Road, Nagpur (2021)
Secondary School Certificate, Percentage: 94.17%

POSITION OF RESPONSIBILITY

- Class Representative (July 2024-Present)
Act as a bridge between students and faculty, coordinating academic and administrative activities.
- Treasurer - Electrical Engineering Students' Association (July 2025-Present)
Manage finances, budgeting and fund allocation for departmental events and student activities.
- Joint Treasurer - Electrical Engineering Students' Association (October 2024-July 2025)
Assisted in financial planning and coordination of events.