

# Bagwan Masoud

Electrical Engineer Student

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## PROFILE

I am a confident t and hardworking individual seeking an opportunity to apply my skills, learn new technologies, and contribute positively to the organization's growth

## EDUCATION

- **B. Tech**

Government College Of Engineering, Karad CGPA : 8.67

- **HSC**

DKTE College of Science. Ichalkaranji PERCENTAGE : 65.56

- **SSC**

Sitabai Patvardhan Highschool.Kurundwad PERCENTAGE : 95.80

## EXPERIENCE

**MAHATRANSCO-230/33 kV Transmission Line**
**Malharpeth | Dec 2025**

- Studied 230/33 kV substation equipment and protection systems.
- Learned about substation control, protection, and safety practices.

**28.5 MW Steam Cogeneration Power Plant**
**Hupari | June 2026**

- Studied the working of a 28.5 MW steam cogeneration power plant.
- Learned about generator operation, power distribution, and plant equipment.

## PROJECTS

**AI-Based DC Motor Health Monitoring System**

- Built an Autoencoder Neural Network model for anomaly detection and predictive maintenance
- Performed real-time motor health analysis using reconstruction error techniques

**Adaptive Control of Dynamic Inductive Charging for Moving Robots**

- Developing adaptive compensation and position-based coil control to maintain near-optimal power transfer under continuously changing coil alignment.

**EV Charging Station Design -Mumbai Western Zone (ETAP)**

- Designed EV charging infrastructure for 2W, 3W, and 4W vehicles using ETAP software.
- Performed load flow analysis, transformer sizing, and power distribution planning.

## SKILLS

Technical skills:

- Etap
- MATLAB Simulink

Non-Technical skills:

- Leadership
- Teamwork
- Presentation skills

## AWARDS & ACTIVITIES

- Certificate by L&T in EV Foundation & Advance Ev Technologies
- Leadership of EV Club
- Participated in Smart India Hackathon.

## HOBBIES

- Volleyball
- Reading

## LANGUAGES

- English
- Hindi
- Marathi