



Vaishnavi Shirke

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati.

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About me

A highly motivated engineer with good problem-solving skills. Highly passionate about learning and deep diving into the concepts of various electrical fields and technologies, and keen on learning & applying them.

Skills

Languages: English, Marathi, Hindi.

Soft Skills: Communication, Problem solving, Leadership, Time management.

Technical Skills: AutoCAD.

Projects

Automatic Power Factor Correction Panel using Capacitor & Relay's

April 2022

- Tools technologies used: Capacitor Bank, Controller, Power Contactors, Current Transformer, MCB, MCCB.
- Automatic power factor correction panel for entire college Capacity-70KVAR.

Foreign Object Detection in Wireless Power Transfer by using Deep Learning Approach

2025 - 2026

- The deep learning approach for foreign object detection in WPT systems involves training a model to recognize patterns in data that indicate the presence of a foreign object.
- This can be achieved through: Data Collection, Model Training, Model Deployment.

Experience

Baramati Electricals and Hardware

January 2025

Student Intern

Baramati, MH

- Recognized and differentiated between different types of electrical materials such as cables, conduits, connectors, receptacles, switches, and various protective devices.
- Collaborated with team members for project Development & skill improvement.

Diploma Trainee

Lucas TVS Ltd, (Chakan) Pune

July 2022 - 2023

Role - Production Engineer

Pune, MH

- Managed daily shop floor manufacturing operations, ensuring production targets through process optimization and cross-functional coordination.

Sansera Engineering Ltd, (Chakan) Pune

July 2023

Role - Quality Engineer

Pune, MH

- Ensured component quality through inspections, defect analysis, and corrective action implementation.

Education

Savitribai Phule Pune University

Bachelor of Electrical Engineering

CGPA – 8.85/10

2023- 2026

Baramati, MH

Karmaveer Bhaurao Patil Polytechnic, Satara

Diploma in Electrical Engineering

Percentage- 81.78/100

2019-2022

Satara, MH

Dr. Gadagkar Highschool Satara road

Secondary School Certificate (SSC)

Percentage- 78.20 /100

2018-2019

Satara, MH

Achievements & Extracurricular

- Secured **2th Rank** in Second Year Electrical Engineering.
- Secured **1st Rank** in Diploma in Electrical Engineering at institute level.
- Secured **Elite Certificate** in NPTL Exam.
- Secured **AUTOCAD Certificate** .
- Leadership & recognition in technical workshops and competition.
- Participated in State level Avishkar project Competition.
- Actively participated in **National Service Scheme (NSS)** winter Camp 2024.

Hobbies

- Cycling
- Dancing
- Traveling & Exploring new places