

## OBJECTIVE

Electrical and Electronics Engineering graduate with hands-on experience in transformer testing, quality assurance, and international inspections, seeking a role where I can apply my technical skills to improve product reliability and support high-quality engineering operations.

## WORK EXPERIENCE

- **Transformer Testing Engineer** [Trinity Cleantech Pvt Ltd] *April 2026- Present*
  - **Conduct routine, type and special testing of power transformers.**
  - Tests conducted as per **IS1180, IS 2026, IEC60076 & IEEE**
  - **Handle Third-party Customer Inspections.**
- **Transformer Testing Engineer** [Shirdi Sai Electricals Ltd] *February 2025 - April 2026*
  - **Conduct routine, type and special testing of power transformers up to 25MVA, 132kV class.**
  - Tests conducted as per **IS1180, IS 2026, IEC60076 & IEEE**
  - Coordinate and handle inspections (**Both Domestic and International Transformers**) including preparation of **final reports** for dispatch Instructions.
  - Perform PFMEA reviews and Root Cause Analysis to identify defects and implement corrective and preventive actions to improve product reliability.
  - Monitor In-process quality control activities across manufacturing stages to reduce failures and maintain quality standards.

## EDUCATION

Degree	Specialization	Institute	Year	CGPA
BTech	Electrical And Electronics Engineering	GEC Gudlavalleru	2020-2024	7.36/10
HSC BIEAP	Physics, Chemistry, & Mathematics	Sri Vagdevi jr College	2020	8.36/10
SSC	-	Sri Chaitanya School	2018	9.5/10

## PROJECTS

- **Navigating Abnormal Environmental Conditions: Traffic Signal And Obstacle Detection For Autonomous Vehicles** *Jan-Apr 2024*
  - Developed a Raspberry Pi-based prototype for autonomous vehicles capable of real-time traffic signal and obstacle detection using sensor interfacing. The vehicle demonstrated safe, intelligent navigation under varying environmental conditions
  - Built Successfully combined components including dual motor drivers and DC motors, ensuring smooth vehicle operation with an efficiency improvement of 15% over initial testing
  - Integrated ultrasonic sensors and a USB camera, ensuring obstacle detection at distances up to 2 meters, with a success rate of 90% in detecting traffic lights and obstacles
- **IOT Based Smart Monitoring And Controlling Aqua Farming** *May-Jul 2023*
  - Designed and implemented a weather station using Arduino Uno and DHT11 sensor to monitor temperature (0°C to 50°C) and humidity (20% to 90%) with an accuracy of  $\pm 1^\circ\text{C}$  and  $\pm 1\%$ .
  - Achieved a low-cost, high-performance monitoring system suitable for industries requiring precise environmental control, contributing to up to 15% improved efficiency in resource management

## TECHNICAL SKILLS

- **Languages:** C, Python
- **Core Technologies:** MATLAB, AUTOCAD, IOT Devices
- **Tools:** MS Office, MS Excel & Power Point
- **Area Of Interest:** Transmission And Distribution Systems, Testing & Analysis, Designing

## EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Member of IEEE -Participated conferences and meetings from our College
- Head of Cultural Events – Arranged College level Events and Fests in our College