SREE HARI VEMULA

Electrical and Electronics Engineer

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• Kurnool

Summary

Electrical and Electronics Engineering student transitioning into IT, with a strong interest in full stack web development. Proficient in Python, HTML, CSS, and Canva; currently learning the MERN stack. Backed by a solid foundation in system design and problem-solving from core EEE projects, now aiming to build impactful web applications and grow in the software development field.

Education

• Dr. K.V. SUBBA REDDY INSTITUTE OF TECHNOLOGY
B. Tech in Electrical and Electronics Engineering - (Currently - 73 %)(untill 3-1 sem)   2023 - 2026

• Dr. K.V. SUBBA REDDY INSTITUTE OF TECHNOLOGY
Diploma in Electrical and Electronics Engineering - (76.36%)   2020 – 2023

• MONTESSORI E.M. HIGH SCHOOL
Secondary School Certificate - (97.33%)   2019 - 2020

Experience

Trainee - APTRANSCO
Kurnool
2022 - 2023

A leading transmission corporation in Andhra Pradesh
- Conducted regular maintenance and trouble-shooting of power system equipment, increasing operational reliability by 15%.
- Diagnosed performance issues and implemented solutions, leading to a 20% reduction in downtime.
- Assisted in safety audits and compliance measures, resulting in a 10% improvement in system safety.

Trainee -SUGNA Sponge & Power Pvt.Lmt

- Worked on industrial electrical systems with focus on operation, testing, and safety practices.
- Gained hands-on experience in power systems, equipment maintenance, and troubleshooting.

TECHNICAL FEST ASSISTANCE
- Assisted in event planning, coordinating and execution.
- Supported logistics, scheduling, and team management.

Skills

- Programming Languages: Python, HTML and CSS
- Tools & Platforms: Canva, Git (basic), VS Code, Arduino IDE, MATLAB/Simulink(EEE)
- Technologies: Power Electronics, IOT, Electric Vehicles Technology
- Soft skills : Interpersonal skills, Time Management, Problem-Solving, Team Collaboration

Languages

Telugu   English   Hindi

Certifications

- Smart Grid: Basics to Advanced Technologies – NPTEL

- Electric Cars – edX (Offered by Delft University)

- Electric Vehicles – Ford (Virtual Internship)

- Google AI Essentials – Coursera (Offered by Google)

- Overview of global Navigation Satellite System - ISRO (IIRS)

- Overview of Geo computation and Geo-web Services - ISRO(IIRS)

Projects

PERSONAL PORTFOLIO WEBSITE   JULY 2025

- Developing a personal portfolio website using HTML, CSS, and JavaScript, integrated with AI features to enhance user interaction and dynamically showcase skills and projects.

MINI HYDRO-ELECTRIC POWER GENERATION SYSYTEM   KURNOOL
APRIL 2023

System for generating electricity from flowing water
- Created a system that efficiently converts kinetic energy from water flow into electricity, providing a reliable, renewable energy solution.
- Integrated turbine and generator systems, optimizing energy output by 25% and offering off-grid power solutions.

LPG GAS LEAKAGE ALERT & TURNOFF SYSTEM (I.O.T)   KURNOOL
MARCH 2024

Safety system for detecting LPG Gas Leakage
- Developed a real-time monitoring system with sensors, in proving safety by detecting gas leaks and shutting off the supply automatically, reducing risks by 40%.
- Ensured compliance with safety standards and contributed to industrial safety through automation.

Declaration

I hereby declare that the above information is true to the best of my knowledge and belief.

Place: KURNOOL
Signature: VEMULA SREE HARI