

NAGAVELLY ABHISHEK

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Career Objective

Enthusiastic B.Tech Electrical Engineering student with expertise in circuits, power systems, and renewable energy. Passionate about EV development and sustainability, with hands-on project experience. Skilled in engineering tools, problem-solving, and teamwork, eager to contribute to innovative engineering solutions and advancements.

Education

Teegala Krishna Reddy Engineering College

Bachelor of Technology in Electrical and Electronics Engineering

CGPA:6.3

Nov 2022-present

Hyderabad, Telangana

Vemuganti Manohar Rao Polytechnic College

Diploma in Electrical and Electronics Engineering

CGPA:6.5

June 2019-May 2022

Rampur, Warangal

Montessori High School

Telangana Board of Secondary Education.

CGPA:8.2

March 2019

Bhupalpally

Internship

Electrical Designing and Drafting

Autodesk's AutoCAD Electrical toolset

April 2022

Warangal, Telangana

Projects

Transmission Lines on Fault Detection

December 2021

- Implemented fault detection techniques for transmission lines using signal processing and machine learning algorithms to enhance grid reliability.
- Developed and tested algorithms for identifying short circuits, open circuits, and other anomalies to minimize downtime and improve system efficiency.

Wind Powered Electric Scooter

June 2024

- Developed a prototype of a wind-powered electric scooter, integrating renewable energy sources for sustainable transportation.
- Designed and optimized an aerodynamic wind energy harnessing system to improve efficiency and battery charging capabilities.

Mitigation Of Harmonic Distortion For Grid Connected PV Solar Using MPPT Controller

November 2024

- Developed and implemented a Maximum Power Point Tracking (MPPT) controller to optimize power extraction from a grid-connected PV solar system, enhancing efficiency and stability.
- Designed and analyzed techniques for mitigating harmonic distortion in the grid interface, ensuring compliance with power quality standards and improving system performance.

Skills

Matlab

Ms Word

Teamwork

Active listening

Certifications

- Certified in MATLAB Tools for Power Electronics Applications.

Declaration

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

Signature:N.Abhishek