



DHANUSH JAMPANA

8247603860  

dhanushjampana26@gmail.com 

Objective

I am looking for a challenging job with a rapidly growing organization that can provide me with a range of goals and job objectives within a contemporary and economical business setting.

Education

2025	velagapudi Ramakrishna Siddharth Engineering College Electrical and Electronics Engineering/B.TECH 6.74
2022	A.A.N.M& V.V.R.S.R.Polytechnic College gudlavalleru Electrical and Electronics Engineering/Diploma 75.26
2019	Flora E.M HIGH SCHOOL, VUYYURU SSC 9.8

Skills

- Matlab
- Python
- AutoCAD
- C

Interests

- Kabbadi
- Participating in a social activities
- Matlab software
- Auto Cad

Projects

- **EFFECT OF TEMPERATURE ON LITHIUM-ION BATTERY PERFORMANCE AND OPTIMAL CONTROL STRATEGY TO AVOID THERMAL RUNAWAY**
This project analyzes how temperature impacts lithium-ion battery performance and safety. It emphasizes real-time monitoring and control to prevent thermal runaway conditions. The proposed strategy enhances battery lifespan, efficiency, and operational reliability. Overall, it supports safer energy storage solutions for electric vehicles and smart grids.
- **CO-ESTIMATION OF THE SOX PARAMETERS OF LITHIUM-ION BATTERY WITH CONSIDERATION OF TEMPERATURE FACTOR**
This project highlights the need for accurate monitoring of lithium-ion batteries to support rising energy demands and sustainability. By incorporating temperature variations, it improves the estimation of key SOX parameters—SOC, SOH, SOP, and SOE. This enhances battery performance, longevity, and safety. Ultimately, it contributes to more reliable and efficient renewable energy and electric transport systems.
- **IMPROVED SKIN CARE DIAGNOSIS**
This project uses AI and deep learning, particularly CNNs, to improve early detection and staging of skin cancer. It enhances diagnostic accuracy by distinguishing between benign and malignant lesions. The system supports personalized treatment and clinical decision-making. Future efforts aim to boost model reliability through diverse datasets and medical collaboration.

- **REDUCED COMPONENT ASYMMETRICAL MULTILEVEL INVERTER FOR SINGLE-PHASE SYSTEMS**

This project presents an efficient multilevel inverter with fewer components for single-phase systems. It achieves high-quality output with reduced Total Harmonic Distortion (THD). The design lowers cost and complexity, making it ideal for renewable energy integration. Overall, it enhances reliability, efficiency, and suitability for practical power applications.

Certifications

- Completed the NPTL certifications on Internet of Things
- Completed the AUTOCAD in the Skill Dizzer

- Participated in the webinars in MATLAB
- Completed the SOLAR PV PLANT DESIGN in a skill dizzer
- Certificated in the Battery Manager System
- Certificate of participation in SPARK TECH Event as a part of ECLECTIQUE 2K24 held at CEV(A) JNTU Gurajada Vizianagaram
- Certificate of participate in an International Webinar on "Machine Learning : Next Generation Intelligent E-Mobility" jointly organised by IEEE Power Electronics Society Student Branch Chapter, Harcourt Butler Technical University (HBTUK), IEEE STB HBTUK and IEEE UP Section in association with Department of Electrical Engineering (HBTUK) on 23rd September, 2023.
- Certificate of participating in international webinar on "DC Microgrids: For Rural Electrification" organized by IEEE Power Electronics Society Student Branch Chapter, Harcourt Butler Technical University, Kanpur, on the occasion of "IEEE Power Electronics Day" held on June 20th, 2024.

Internship

- 6 months internship while studying in diploma
- 2 months internship in AUTOCAD in skill Dizzer
- 1 month internship in BMS (Battery Management System)
- 4 months internship in solar PV Plant Design

Languages

- Telugu
- English
- Hindi

Additional Information

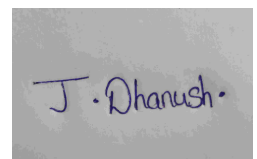
1. Volunteer in a college AFOSEC fest which is organised by EEE department

Declaration

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

Hobbies

- Reading news paper,
Playing Games,
Will to know about new things,



DHANUSH JAMPANA