

Address:

Date of Birth: 21.02.1993 | Nationality: Indian

PERSONAL STATEMENT

- An accomplished professional with over 6 years of diverse experience in the energy sector and data analysis, specializing in PV Solar Engineering and Wind Farm Development.
- Skilled in leveraging technical expertise in system design, data analysis, and energy storage solutions to drive project success.
- Demonstrated proficiency in designing and implementing efficient photovoltaic power systems and wind turbines, utilizing software tools like AutoCAD, MATLAB, SIMULINK, and Homer Pro.
- Proven track record in data maintenance and analysis, adept at utilizing advanced statistical techniques to interpret complex data sets and extract valuable insights for informed decision-making.
- Skilled in mathematical modeling and simulation, with significant experience in developing and optimizing renewable energy projects, ensuring optimal system performance and sustainability.
- Collaborative team leader, adept at training and guiding new team members, ensuring high levels of competence and knowledge transfer within the organization.

WORK EXPERIENCE

Aug 2022 - Dec 2023

NMS Data Maintainer | Electricity Northwest Ltd, UK

- Managed the integration of virtual switches for network commissioning within the Network Management System (NMS), leveraging data submitted by engineers.
- Executed comprehensive updates across Ellipse, Geographic Information System (GIS), and NMS, encompassing geographical modifications, asset creation in Ellipse, and the design of schematic and substation internal diagrams.
- Proficiently interpreted and rectified network discrepancies utilizing NMS error reports, ensuring optimal network performance.
- Coordinated and oversaw the daily operations of NMS data export and promotion, ensuring accuracy and efficiency in data management processes.
- Led and facilitated training programs for new team members, enhancing team competence and ensuring consistent knowledge transfer.

Sep 2020 - Nov 2021

Placement Internship | Source Advisory Group, Hyderabad

- Coordinated the design of Photovoltaic (PV) systems for residential and commercial buildings, ensuring optimal solar energy utilization and system efficiency.
- Expertly designed electrical single-line diagrams using AutoCAD software, contributing to precise and effective electrical planning.
- Conducted comprehensive report structuring and writing, demonstrating strong communication and analytical skills.
- Efficiently extracted data from government and private sector authorities, showcasing proficiency in data gathering and interpretation.
- Conducted in-depth studies of Energy Policies and Regulations.

Sep 2015 - Apr 2017

Process Analyst | Amazon, Hyderabad

- Utilized automated tools to efficiently extract data from primary and secondary sources, ensuring accuracy and time efficiency.
- Conducted data analysis using advanced statistical techniques, resulting in comprehensive and insightful reports.
- Identified, analyzed, and interpreted trends or patterns in complex data sets, providing valuable insights for data-driven decision-making.

ACADEMIC PROJECTS	
2021	Dissertation on Energy Storage Solutions for Small-Scale Renewable Energy Projects <ul style="list-style-type: none"> Conducted an in-depth investigation of renewable energy storage technologies and their application feasibility. Implemented the project by developing mathematical models for a photovoltaic system and an algorithm for maximum power output tracking. Developed a simulation model using MATLAB and SIMULINK to demonstrate energy storage from PV systems using batteries, especially when PV output is less than load demand.
2020	Wind Power for Dairy Farm <ul style="list-style-type: none"> Gained a comprehensive understanding of wind turbine technology operations. Employed Homer Pro software for simulation purposes and calculated the number of turbines required for the site.
2015	<ul style="list-style-type: none"> Solar Powered Car Designed a solar-powered car utilizing hundreds of photovoltaic cells to convert sunlight into electricity, forming modules and arrays for effective energy capture. Collaborated effectively with a team to merge ideas and develop a practical concept for the project.
2013	Computer-Aided Wrench Design <ul style="list-style-type: none"> Designed an aluminum wrench using Creo Pro/E and conducted stress concentration analysis with ANSYS. Integrated metalworking skills with CNC milling machinery to produce a prototype wrench.
EDUCATION	
2021	<ul style="list-style-type: none"> Master of Science in Renewable Energy Engineering from the University of Central Lancashire, UK
2015	<ul style="list-style-type: none"> Bachelor Of Technology in Mechanical Engineering from J.B. Institute Of Engineering And Technology, Hyderabad.
KEY SKILLS	
	PV Power Systems Design Wind Turbines System Design & Analysis Solar PV Designer Data Analysis Data Maintenance Energy Storage Solutions System Monitoring Mathematical Modeling Simulation MATLAB SIMULINK AutoCAD SolidWorks for Design ANSYS for Stress Analysis MS Office PVsyst GH WindFarmer and WAsP Photovoltaic system design Labview