

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech EEE	National Institute of Technology Andhra Pradesh	NIT Andhra Pradesh	7.46	2020-2024
Senior Secondary	Indian Public School, Madhubani	CBSE	91.00%	2020
Matriculation	Shiv Jyoti Sr Sec School	CBSE	88.00%	2018

PROJECTS AND EXPERIENCE

- Maximum Power Point Tracking of Hybrid Energy System Using ML Techniques

Aug 2023 - Apr 2024

Supervised by Dr. V. B. Murali Krishna

In this project we used machine learning to develop an artificial neural network powered perturb and observe algorithm.

The proposed algorithm converges in fewer iterations as compared to the traditional P&O and is therefore more reliable for real-time MPP tracking.

Compared its performance with the conventional perturb and observe algorithm

Skills used:Data Analysis, Machine Learning, Python
- Short term Solar energy prediction

Oct 2022 - Nov 2022

Supervised by Dr. Sri Phani Krishna Karri

Developed short-term solar energy prediction models to predict the incoming solar energy.

Dataset were used from AMS available at kaggle and were used to train the prediction models

Implemented various machine learning models : SVM, decision trees, and random forest, and leveraged deep learning techniques such as Artificial Neural Networks (ANN) to enhance the accuracy of solar energy predictions.

Skills used: Machine Learning, Python
- Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage

July 2024

Self

Completed a simulation involving creating data visualizations for Tata Consultancy Services

Prepared questions for a meeting with client senior leadership

Created visuals for data analysis to help executives with effective decision making

Skills used:Data Visualization, Tableau, Python

TECHNICAL SKILLS

- Programming Languages:Python, SQL, C++
- Tools and Frameworks:Experience with Jupyter and Visual Studio

KEY COURSES TAKEN

- Relevant coursework:Completed courses in Introduction to Algorithmic Thinking and Programming, Data Structures and Algorithms, Problem Solving Through C, Introduction to Machine Learning, Analog and Digital Electronic Circuits, Embedded Systems, Linear Integrated Circuits & Applications, Numerical Methods and Programming through MATLAB, Electric Vehicles, Energy Management and Auditing, Soft Skills, Professional Ethics and Values.

CERTIFICATIONS

- Intro to Programming using Python🔗 Coding Ninjas
- Problem Solving through C🔗 NPTEL
- Data Base Management System🔗 NPTEL
- Introduction to Machine learning🔗 Kaggle
- Intermediate Machine learning🔗 Kaggle
- Introduction to Deep learning🔗 Kaggle

POSITIONS OF RESPONSIBILITY

- Executive member,Electrical and electronics engineering Association, NIT AP

Aug. 2021 - Apr 2022
- Executive Member,AIR Club, NIT AP

Aug 2023 - Nov 2023

ACHIEVEMENTS

- Secured Runner up in Drone Workshop and Racing competition , Vulcanzy Techfest NITAP

2022