ENDLA VIVEK

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PROFILE

Motivated college graduate looking to apply extensive technical and analytical and communication skills to build my career in a highly professional organization. Always ready to learn new skills to enhance my abilities and strive for the betterment of the organization.

EDUCATION

BACHELORS OF TECHNOLOGY   **August - 2024**

National Institute of Technology Andhra Pradesh
Electrical and Electronics Engineering
CGPA: 6.92

INTERMEDIATE   **May-2020**

Pratibha junior college , Nalgonda
CGPA: 94.6

HIGH SCHOOL   **March-2018**

Gowtham model school Gandhinagar Hyderabad
CGPA: 9.5

TECHNICAL SKILLS

Python
Java (Basic)
HTML,CSS and Bootstrap
JavaScript

CERTIFICATIONS

Udemy: The python developer essentials2023
Smart Knowers: Hybrid Electric Vehicles
NPTEL: Developing Soft Skills And Personality
Soc Experts: Soc Analyst Training

PROJECTS

Scenario generation and reduction based uncertainty mitigation in a micro grid

- Generation of scenarios for wind and photovoltaic (PV) using Monte Carlo Simulation it generates more number of scenarios to reduce that we use dimensionality reduction using unsupervised machine learning algorithms like K-mean clustering, Principle Component Analysis (PCA), Density-Based Spatial Clustering, Auto encoders.
- Effective scenario reduction method found using Davis Bouldin index and Silhouette Score

Transformer fault prediction using machine learning algorithms

- Fault identification in transformer by predicting the value of Magnetic oil gauge indicator using Logistic Regression, SVM and Decision Tree.

Medical ventilator prototype

- This ventilator prototype is implemented using simple DC motor speed control and is hence cost-efficient and can be developed fully.
- A mechanical arm is used to exert force on the medical BVM so it pumps air under pressure required to aid the breathing requirement of patient.

POSITIONS AND RESPONSIBILITIES

- Worked as Security Team Head and led team of 10-15 volunteer to manage security and hospitality.
- Worked as volunteer in Artificial Intelligence and Robotics Club.

PUBLICATIONS

Scenario generation and reduction based uncertainty mitigation in a micro grid

2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation(SEFET)

LANGUAGES KNOWN

English (Fluent)
Telugu (Native)
Hindi (Fluent)

LINKS

LinkedIn	**GitHub**	**Naukri**
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