

YEDDU MAHESWAR REDDY

✉ yeddumaheswarreddy5@gmail.com ☎ 9347285199 📅 25/06/2003

🧠 SKILLS

SQL,MACHINE LEARNING, AI,GENAI

Programming Languages: python,C++,java

WEB Technologies:: HTML,CSS,JavaScript ,React,php

Frameworks:: TensorFlow, Keras, OpenCV,

Other:: Class Representative,Social Media Management

🎓 EDUCATION

B.TECH in Electrical Engineering | National Institute Of Technology Andhra Pradesh | **2020-2024**
CGPA : 7.43

Intermediate | Sir CV Raman Junior College | **2018-2020**
CGPA : 9.04

10th class | SSSMRM High School | **2018**
CGPA : 9.30

📁 WORK EXPERIENCE

Sun group Graduate Trainee 06/2025 – present

I am currently working as a Graduate Trainee focused on cloud computing. My role involves learning and applying cloud concepts, working with deployment tools, and gaining hands-on experience with modern cloud technologies.

Technical Trainee, RINL Vizag Steel Plant, Visakhapatnam

- Learned to program 5+PLCs using siemens and Allen-Bradley software platforms,gaining hands-on skills in industrial automation.
- Investigated and analyzed thermal power plant operations,improving understanding of key industrial processes and their efficiencies.

Internship on Solar PV Plant Design | HIEE Empowering Engineers PVT LTD

learn different types of solar pv plant designs and models

📁 PROJECTS

IoT Based Smart Home Monitoring System: A Machine Learning Based Approach

- Construted LSTM models to forecast day-ahead electricity prices,improving prediction accuracy with an MSE of 15.28%.
- Reduced energy costs by Rs. 468.393 by applying MILP-based decision-making to optimize non-essential load usage.
- Designed and assembled hardware with Raspberry Pi to create a smart home monitoring sysytem.

Facial Recognition Gender classification and age prediction

- Developed a CNN model for real-time age prediction and gender classification from image dataset of more than 50000 images,enhancing accuracy.
- Implemented real-time image processing with Python,OpenCV,TensorFlow,and Keras,achieving around 90% accuracy.

Estimation of Solar Power Generation

- Applied machine learning techniques to predict power generation for 2 solar power plants,improving forecasting accuracy.
- Utilized \$ pre-trained models-Linear Regression, Random Forest, Decision Tree,KNN.

Power Theft Monitoring System

- Engineered a system using Arduino and PLC technology to detect and address electrical power theft,enhancing security.
- Detected theft by comparing currents at the sending and receiving ends of transmission lines.
- Enchanced response time to less than 1 second by developing an LED alert system to notify authorities.

CERTIFICATES

- Supervised Machine Learning : Regression and Classification | Coursera
- Python Data Structures | Sololearn
- Problem Solving (Basics) (Python) | HackerRank
- Introduction to JavaScript | Great Learning
- TIHAN Workshop | IIT Hyderabad

PUBLICATIONS

Enhancing residential demand response through dynamic pricing forecasting

2nd IEEE ICMICA conference