TALLAPALLI GURU VENKATA NAGA MADHU SUDHANA

Andhra Pradesh, IN | P: +91 6302799579 |tallapallimadhu5340@gmail.com |Portfolio

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   Chennai, TN
Bachelor of Technology, Computer Science and Engineering   Jun 2021 - May 2025
Cumulative GPA: 8.69/10.0

SAI VIKRAM JR COLLEGE   Giddalur, AP
Stream: Science(Physics, Chemistry, Maths)   Jul 2019 - Jul 2021
Cumulative Percentage: 95.7/100

WORK EXPERIENCE

GO YAANA   Remote
Machine Learning Engineer Intern   Aug 2023 – Oct 2023
- Developed a regression model with 10,000+ data points, refining feature selection to boost accuracy by 91% in suggesting personalized travel destinations.
- Boosted user engagement by prioritizing top-rated destinations and presenting findings to cross-functional teams.
- Executed comprehensive data preprocessing, analysis, and visualization using Matplotlib and Seaborn for strategic planning.

PROJECTS

ONLINE VOTING APP   Feb 2024
Tech Used: MongoDB, Express.js, React, Node.js(Mern Stack)
- Designed and launched a seamless Online Voting App,ensuring a seamless digital voting experience.
- Facilitated easy user participation in the voting process through a user-friendly interface.
- Successfully launched the app with features tailored for online voting, enhancing accessibility and engagement for a broad user base.

ONLINE BIKE SHOWROOM APP   Dec 2023
Tech Used: MongoDB, Express.js, React, Node.js(Mern Stack)
- Created an interactive online bike showroom app, providing seamless browsing and ordering functionalities for customers.
- Implemented intuitive user interfaces and navigation flow, boosting user experience and engagement.

PREDICTIVE MAINTENANCE OF MOTORS   Oct 2023
Tech Used: Machine Learning Techniques,Streamlit
- Built a predictive maintenance system that forecasts motor operational status (working or failure) using an unsupervised machine learning model.
- Leveraged a comprehensive dataset to ensure robust predictions through detailed data pre-processing and model selection.
- Secured a 92% accuracy rate, significantly improved maintenance scheduling and reduced downtime.

ACTIVITIES

NATIONAL SERVICE SCHEME, VIT CHENNAI   Jan 2023 - Jan 2024
- Created and edited over 15 engaging videos for VIT Chennai.
- Led a volunteer initiative that included visits to three old age homes and organized recreational activities, positively impacting over 50 senior residents and fostering intergenerational connections within the community.

ADDITIONAL

Technical Skills: SQL, HTML, CSS, Java Script, MongoDB, React, NodeJS, Express JS, Git, ML, PowerBI
Programming Languages: Java, CPP, Python
Languages: English, Telugu and Hindi
Certifications & Training:
- Completed MERN full stack development course from ETHNUS (Certificate)
- Amazon ML summer school