

TALLAPALLI GURU VENKATA NAGA MADHU SUDHANA

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology, Computer Science and Engineering

Cumulative GPA: 8.69/10.0

Chennai, TN

Jun 2021 - May 2025

SAI VIKRAM JR COLLEGE

Stream: Science(Physics, Chemistry, Maths)

Cumulative Percentage: 95.7/100

Giddalur, AP

Jul 2019 - Jul 2021

WORK EXPERIENCE

GO YAANA

Machine Learning Engineer Intern

Remote

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

Languages: English, Telugu and Hindi

Certifications & Training:

- Completed MERN full stack development course from ETHNUS (Certificate)
- Amazon ML summer school