VORSU TEJA VIGNESHWAR

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Summary

I am a Dedicated Computer Science and Engineering student specializing in Artificial Intelligence and Machine Learning. Proficient in python, web development, and exploratory data analysis (EDA). Skilled in data visualization, statistical analysis, and data preprocessing for EDA. Passionate about coding, problem-solving, continuous learning, and eager to contribute my skills to innovative projects and collaborative teams

Education

CVR College Of Enginnering — Rangareddy, Telangana
B.Tech, CSE(AI & ML) CGPA: 8.65/10.0 — *Nov 2022 – April 2026*

Gouthami Junior College — Nalgonda, Telangana
Class XII - PCM Percentage:97.3% — *June 2020 – May 2022*

Narayana High School — Nalgonda, Telangana
Class X - GPA:10.0/10.0 — *May 2020*

Projects

Car Quest | *Python, Flask, HTML, CSS, Bootstrap*

- The "Car Quest" project aims to develop a comprehensive car recommendation system that assists users in finding suitable vehicles based on their preferences and requirements.
- The software includes a front-end for customers to interact with user interface this is developed using required library and a backend for car recommendation model
- Designed especially for the purpose of safety.

Traffic Management System | *AI, CV, YOLO, RNN*

- AI-driven traffic management system integrating computer vision and machine learning to enhance traffic efficiency and safety.
- The system utilizes real-time video analytics, object detection, and predictive modeling to dynamically optimize traffic flow, reduce congestion, and enhance road safety.
- Experimental results demonstrate improved traffic monitoring and decision-making capabilities compared to conventional systems.

Technical Skills

Languages: Python, Java, C, Oracle SQL, HTML/CSS, Bootstrap **Profiles:** | |

Tools & IDE's: GitHub, VS Code, Eclipse, Pycharm
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Streamlit
Courses: Computer Programming, OOPs, DSA, OS, DBMS, Computer Networks, Machine Learning Algorithms

Publications

Traffic Management: "AI-Driven Traffic Management System Using Computer Vision & Machine Learning." International Journal of Engineering Research and Science & Technology (IJERST), Vol. 21, Issue 1, 2025. ISSN: 2319-5991.

Languages

English, Hindi, Telugu

Interests

Travel, Music, Sports