VAMSHI VARDHAN

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PROFILE SUMMARY

Hardworking and Passionate programming enthusiast.Interested in solving problems and innovative application of skills. Can easily understand the underlying semantics of a less complex model and can get the best code needed from AI

ABOUT

Love working with ML models on Kaggle. Actively interact with other programming enthusiasts in Twitter and also love to solve a lot of issues on Github. Practicing CP in leetcode. An avid reader of technical books.

EDUCATION

Bachelor in Computer Science Engineering, NIT Andhra Pradesh — Expected 2025

SKILLS

Soft Skills	Creative Problem Solving, Critical Thinking, Adaptability, Continuous Learning
Languages	C++, Python, Java, JavaScript
Python Libraries	Matplotlib, Numpy, Pandas, Sklearn
OS and Tools	Linux, Operating Systems, Unix Tools and Shell Scripting
AI and ML	Artificial Intelligence, Applied Machine Learning, Elements of Statistical Learning
Data Processing	Natural Language Processing (NLP), Computer Vision
Web Dev	Web Application Development, React, JavaScript
Data Transfer	Database Management Systems, Computer Networks
Software Engineering	Software Engineering, Object-Oriented Programming (OOP)
DSA	Data Structures and Algorithms, Design and Analysis of Algorithms
CS Fundamentals	Theory of Computation, Theory and Design of Programming Languages, Language Processors, Computer Organization and Architecture

PROJECTS

Blog Website(SourceCode, Website)
A blog website, built with Vite, React, and Tailwind CSS, offers a modern and responsive user experience. It uses MongoDB for storing blog content and integrates Firebase for Google authentication and profile picture management. Admins have access to an exclusive dashboard for managing posts and overseeing site content, providing a seamless and secure platform for both users and administrators.

AR-Ecommerce(SourceCode, Website)
AR-Ecommerce revolutionizes online shopping with 3D product views via Google Model Viewer and AR features for virtual product placement. Its standout 3D T-shirt designer, powered by OpenAI's DALLE model, offers real-time previews and lifelike customizations. Secure Clerk SDK authentication and Stripe payment processing ensure a smooth, trusted shopping experience.

3d Image segmentation(Notebook)
Demonstrates the use of the U-Net architecture for medical image segmentation, utilizing the Medical Decathlon dataset. This approach leverages the latest transformer techniques, particularly attention mechanisms, to enhance accuracy in segmenting 3D medical images. For more details, refer to the related MDPI study.

CERTIFICATES

NPTEL CloudComputing, Freecode Responsive Web Design Certification, Kaggle Python