N Sai Harshith Varma

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Summary

Passionate about leveraging data analytics and machine learning to tackle complex challenges. Skilled in Data Analytics, Machine Learning, Deep Learning, Computer Vision, NLP, Kafka, Spark, and cloud technologies like AWS and Docker.

Contact

Portfolio Github Kaggle Profile Medium Profile

Achievements

- 1st Place in Kaggle Competition: Data Analytics(UE21CS342AA2) Hackathon
- 4th and 5th Runner-up at the State Level Abacus
- Gold Medal in Aptitude Talent Search Olympiad (ATSO)
- Kaggle Expert Status
- Top 3% in Kaggle Community

Skills

Data Analytics, Machine Learning, Deep Learning, Kafka, Spark, Computer Vision, NLP, Big Data Analytics, ML Flow, Docker, AWS, Mediapipe, Power BI

Interests

I am deeply passionate about exploring the intersections of data analytics and machine learning to solve complex problems.

Beyond technology, I enjoy:

- Staying active with interests in sports
- Continuously learning
- Staying updated on the latest developments in the ever-evolving world of artificial intelligence

Education

PES University

CSE • Bangalore, Karnataka 08/2025

Distinction Certificates: 5 in 6 semesters

Secured First place in Kaggle competition hosted by PES University

Sri Chaitanya College

CBSE

12th Grade Percentage: 96%

Sri Chaitanya Techno School

CBSE

10th Grade Percentage: 91%

Projects

Yet Another Distributed File System (HDFS Clone)

- YADFS is a Python-based Distributed File System (DFS) that provides comprehensive functionalities for file management, replication, and synchronization between Name Nodes and Data Nodes. It supports operations such as putting, removing, listing, and displaying files, as well as advanced features like DFS formatting and directory structure management. The system leverages multiprocessing and synchronization mechanisms to ensure efficient and reliable DFS management.

Toxic-Comments-Detection

- An End to End Machine Learning Project,whicg take youtube link as input and scrapes the comments and detects Toxic comments.Project also has the features of filtering toxic comments and Identifying Users with highest Toxic comments and also summarizes the comments

Research Project: Usability Assessment of Gesture Controlled Interfaces in Gaming Applications for Parkinson's Disease Patients

- This study explores enhancing gaming accessibility for Parkinson's Disease (PD) patients using gesture-based controls via Computer Vision (CV) technologies. We focused on hand gesture recognition and key bindings to improve the gaming experience in "Smash Karts." Utilizing a Deep Neural Network, we achieved a 99% accuracy in gesture recognition. Usability was evaluated using the System Usability Scale (SUS), with an average score of 75.9, demonstrating the system's effectiveness in providing an inclusive gaming experience for individuals with motor impairments.

Detection of Large-Language Model (LLM) Generated Text

- An End-to-End ML project aimed at detecting text generated by Large-Language Models (LLMs) to combat misinformation and plagiarism. Utilized Natural Language Processing (NLP) techniques such as TF-IDF Vectorization and neural networks using TensorFlow/Keras to develop a highly accurate detection system with 99.96% accuracy. Demonstrated robustness and scalability through cloud computing, showcasing expertise in NLP, machine learning, and cloud technologies.

Languages

English,Telugu ,Hindi ,kannada

Certificates

AWS Educate Getting Started with Databases

AWS Educate Getting Started with Storage

AWS Educate Getting Started with Networking

AWS Educate Getting Started with Serverless

AWS Educate Getting Started with Compute

Kaggle Certifications

Certified HTML5 Specialist