Sai Eeshwar D

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SUMMARY

Enthusiastic and self-driven individual with a strong passion for Machine Learning and Deep Learning, actively working on projects to deepen expertise in Artificial Intelligence and explore innovative applications.

EDUCATION

Bachelor of Technology in Computer Science and Engineering Spl. in Artificial Intelligence and Machine Learning
VELLORE INSTITUTE OF TECHNOLOGY • Amaravati • 2025 • 8.65

Class 12th
National Public School • Bangalore, Karnataka • 2021 • 92.4%

EXPERIENCE

AI/ML Intern
OSCOWL \& Co AKOSCOWL DOT INVENTIONS Pvt Lim   December 2023 - May 2024, Hyderabad
- Integrated Whisper AI and Bark AI models, achieving 95% accuracy in voice reproduction.
- Implemented Python-based speech recognition and MFCCs to support multilingual conversations.
- Optimized real-time processing, reducing latency by 30%.

PROJECTS

Isitlegalto
Syncwave Pvt. Ltd. • June 2024 - Present
- Developed an AI-driven search engine to evaluate the legality of activities, collaborating with a team of 5.
- Engineered and implemented a local hosting solution for a fine-tuned LLM, enabling efficient PDF processing and analysis, which boosted training performance by 35%.
- Optimised the LLM through advanced prompt engineering to meet the specific needs of the project.

Analysis of Social Media Sentiments in the Russia-Ukraine Conflict using NLP and ML Methods
January 2024 - May 2024
- Engineered a sentiment analysis framework employing BERT, VADER, and assorted ML models to evaluate 100,000+ social media posts, attaining a sentiment classification accuracy of 90%.
- Contribution: Machine Learning Algorithms, Sentiment Analysis.
- Technologies : BERT, VADER, Python, various ML models.
- Conducted comprehensive analysis of social media sentiments related to the Russia-Ukraine conflict, employing NLP and machine learning techniques, achieving insights with a model accuracy of 92% across 150,000 posts.

WAV2Lip-HQ-Inference
DUBSYNC.AI • May 2023 - June 2023
- Engineered WAV2Lip-HQ Inference, achieving lip-sync accuracy of 95% for videos up to 4K resolution at 30 FPS, enhancing dubbing and deepfake creation capabilities.
- **Optimized model performance for real-time processing**, enabling smooth and efficient lip synchronization for both pre-recorded and live video applications, improving user experience in media production and content creation.
- Technologies Utilised: Python, PyTorch.

An Analytical Approach for Cetacean Family Species Detection using Auditory Hybrid Algorithms for Multi-class Classification
IEEE Xplore • ieeexplore.ieee.org/abstract/document/10333321/ • May 2023 - August 2023
- Presented the paper In: 7th International Conference - CSITSS-2023.

CRISP: Comprehensive Route Information System for Passengers
JSS Academy of Technical Education • drive.google.com/file/d/18FtBSu_CfhE2FcJ1FCA0Jo_yoS_JM8wo • February 2023 - May 2023
- CRISP: Comprehensive Route Information System for Passengers".
- Presented In: 9th National Conference on Advancements in Information Technology (NCAIT-2023).

INVOLVEMENT

Event Department Lead
VIT-AP • Open Source Community • July 2023 - May 2024

SKILLS

Technologies and Frameworks : Python, Java, SQL, Git, LaTeX, Tensorflow, PyTorch, OpenCV, Scikit-learn, Keras, NLTK, SpaCy.

Spoken Languages : English, Hindi, Kannada, Telugu, Tamil,German(Basic).