Akshar Samudrala

Hyderabad | aksharsamudrala@gmail.com | +91 6304058126 | www.linkedin/akshar-samudrala/https://github.com/CodeBreaker0404 /Akshar Samudrala

Summary

I am a student in the 3rd year of my B. Tech in Computer Science and Engineering (Artificial Intelligence) at Amrita Vishwa Vidyapeetham. I am Passionate about solving real-world challenges, I am seeking hands-on experience in an industrial setting where I can apply my skills in data analysis, machine learning, and deploying through apps. I am eager to contribute to your organization and continue expanding my technical expertise and professional growth.

Education

B. Tech in Computer Science with Artificial Intelligence **2022- Present**
Amrita Vishwa Vidyapeetham, Amaravati
GPA - 8.5

Senior Secondary School (CBSE) **2020- 2022**
Lucent International School, Dehradun
Percentage - 83%

High School (ICSE) **2018- 2020**
Ramadevi Public School, Hyderabad
Percentage - 95%

Skills

Languages and Tools: Python, Flutter and Dart, C, MySQL, java
Libraries and Frameworks: Python- Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn, cv2; Dart- alchemist, material. Dart, K-8,
Soft Skills: Management and Organizing Skills (conducted many events as the Treasurer at IEEE Student Chapter), Group Discussion and Public Speaking,

Projects

A Novel Deep Learning Technique for Multivariate Statistical Modeling of Retinal OCT Images

- Developed a predictive model using Python and Scikit-learn used for finding anomalies in Retinal OCT images, after processing the data through the model we segmented the anomaly and found it's area. The model gave us an accuracy of 93
- Tools Used: Python, Scikit-Learn, Matplotlib, cv2, TensorFlow,

Vocal Pattern to Determine Emotion

- Developed a system to analyze vocal patterns and identify emotions using machine learning techniques. The project involved extracting features such as pitch, tone, and speech rate from audio data, and applying classification algorithms to predict emotional states.
- The goal was to create a robust model for emotion detection, contributing to advancements in human-computer interaction.
- Tools Used: Pandas, NumPy, Librosa, TensorFlow, Matplotlib, Seaborn

Stock Markt analysis using News Forecast

- Developed a system to analyze the stock market rates for amazon stocks using the new available which was web-scrapped from the internet
- The goal was to create a robust model for stock market prediction which analyzes stocks based on news sentiment.
- Tools Used: Pandas, NumPy, Librosa, TensorFlow, Matplotlib, Seaborn, cv2,

Activities and Hobbies

Languages: English, Telugu(Native), Hindi

Activities & Interests: Football (represented the college team), NCC-'A' Certificate, Animation, Reading books