ALAPATI NAGA SREE VAISHNAVI NEHA

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https://github.com/niha3

ABOUT ME

A motivated Computer Science Engineering student specializing in Artificial Intelligence at Amrita Vishwa Vidyapeetham. Proficient in Python, Java, and with hands-on experience in machine learning and deep learning projects. Skilled in problem-solving, team management, and innovative solutions. Passionate about deep learning, and predictive analytics, with a drive to contribute to impactful projects and excel in dynamic environments.

EDUCATION

B.Tech in Computer Science & Engineering (AI) 2022-2026

Amrita Vishwa Vidyapeetham,Amaravati,India

- GPA:8.9/10.0

Intermediate 2020-2022

Sri Chaitanya Educational Institutions ,Guntur

- MARKS:912/1000

SSC 2020

Sri Chaitanya Junior College ,Guntur

- MARKS:596/600

SKILLS

Languages: Python, Java

Frameworks: Scikit,Keras

Databases: MYSQL

CERTIFICATION

- Google AI Essentials By COURSERA oct 2024(no expiry)
- Machine Learning By COURSERA oct 2024(no expiry)

TECHNICAL INTERESTS

- Machine Learning
- Deep Learning
- Data Analytics
- Prompt engineering

PROJECTS

- **COVID-19 Diagnosis**: Designed and evaluated machine learning, deep learning, and Bayesian models for accurate and interpretable COVID-19 diagnosis, optimizing performance across key metrics.
  Technical Stack: Python, TensorFlow, Scikit-learn, `pgmpy`, Matplotlib, Pandas, Numpy
- **Diabetic Retinopathy:** Built a deep learning model to classify diabetic retinopathy stages using retinal fundus images with transfer learning for high accuracy.
  Technical Stack: Python, TensorFlow, Keras, OpenCV, Matplotlib
- **Sentiment Analysis on Amazon Unlocked Mobile Reviews:** Developed a sentiment analysis model to classify customer reviews of Amazon unlocked mobile phones into positive, negative, and neutral sentiments, utilizing data preprocessing, text cleaning, and feature extraction techniques.
  Technical Stack: Python,NLP, Keras, scikit-learn, Matplotlib Pandas, NumPy
- **Authenticity Detector: Classifying AI-Generated and Real Images:**Designed and implemented a deep learning model to accurately classify images as real or fake using the CIFAKE dataset. Model performance was rigorously evaluated through precision, recall, and F1-score, ensuring high reliability and effectiveness in distinguishing between authentic and AI-generated images.
- **Technical Stack**: Python, TensorFlow/Keras, scikit-learn, Matplotlib, NumPy.

ACHIEVEMENTS

- Earned 5 stars in python programming in hackerrank
- Earned 5 stars in java programming in hackerrank

LANGUAGE PROFICIENCY

- English(Proffesional)
- Telugu(Native)
- Hindi(Coversational)

PERSONAL DETAILS

Date Of Birth: 03-03-2005

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