RAKSHITH R

Dedicated and Motivated College Student.

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EXPERIENCE

Machine Learning Intern

Quest-Global

April 2023 – Present | Trivandrum, Kerala

- Utilized the UNet architecture with Vgg-17 as the backbone to accurately segment the liver from 3D CT scans, achieving an impressive accuracy of 96.7
- Working on utilizing the Unet architecture to accurately identify and localize tumors within the liver for effective diagnosis.
- Actively involved in developing models to accurately estimate tumor size based on comprehensive tumor volume analysis.
- Technologies Used: CT Scans, Python, Machine Learning, Tensorflow, Computer Vision

EDUCATION

B.Tech in Electronics & Communication Engineering

PES Univerity, Bengaluru

2020 - 2024

Senior Secondary Examination - Class XII

Bhagawan Mahaveer Jain College, Bengaluru

2018 - 2020

Higher Secondary Examination CBSE - Class X

Sri Aurobindo Memorial School, Bengaluru

2018

CERTIFICATIONS

- Python for Data Science and Machine Learning Bootcamp.
- Machine Learning A-Z™ 2023: AI, Python + ChatGPT Bonus.
- Deep Learning A-Z™ 2023: Neural Networks, AI & ChatGPT Bonus.

EXTRACURRICULAR ACTIVITIES

- Organized and conducted "Chords", a successful musical event witnessed by over 3000 college students, as the club head of Ninaada at PES University.
- Having completed senior level music exam in flute, I utilize my skills to teach and conduct flute classes for aspiring musicians, providing engaging and effective learning experiences.
- Organized and conducted "Raaga Rang", a successful musical competition witnessed by over 1500 college students, as the club head of Ninaada at PES University.

SKILLS

- **Technical Skills**: Python, Data Analysis, Statistics, Machine Learning, Deep Learning, Medical Imaging.
- **Data Structures & Algorithms**
- **Object Oriented Programming, SQL & Operating Systems**
- **Soft Skills**: Problem Solving, Critical Thinking, Communication, Collaboration & Adaptability.

PROJECTS

Body Fat Estimator

- Developed a Python-based project utilizing advanced machine learning algorithms, including Random Forests and extensive EDA, to achieve a remarkable 99.6% accuracy in estimating body fat percentage.
- Technologies used - Python, Machine Learning, Flask.
- Rakshith2202/Body-Fat-Estimator-App

Real-Time Emotion Detection

- This project utilizes Convolutional Neural Networks and Computer Vision to accurately identify and classify human emotions in real-time from live video feeds.
- Technologies used - Python, Tensorflow, Computer Vision
- Rakshith2202/Real-Time-Emotion-Detection

IPL Win Probability Predictor

- IPL Match Win Predictor is a web app that utilizes user-inputted match data to provide probabilities for team wins..
- It facilitates anticipation of IPL match results by offering valuable insights and predictions.
- Technologies used - Python, Feature Engineering, Machine Learning, Streamlit
- Rakshith2202/IPL-Match-Win-Predictor

Enhanced Classification of Age and Gender

- This project achieves high accuracy in gender and age classification using CNN, leveraging diverse datasets and effective pre-processing techniques for precise demographic analysis and targeted applications.
- Technologies used - Python, EDA, Seaborn, Tensorflow.
- Rakshith2202/Age-and-Gender-Classification

Political Party Tweet Classifier

- Developed a robust project utilizing an LSTM RNN model for the classification of political party tweets.
- Achieved a remarkable accuracy of 96% in accurately identifying tweets from prominent parties such as BJP, Congress, and Aam Aadmi Party.
- This project enhances political discourse analysis by accurately identifying party affiliations based on tweet content, providing valuable insights into political discussions.
- Technologies used - Python, EDA, Machine Learning, NLP.
- Rakshith2202/Tweets-Classification-of-Political-Parties