RAKSHITH R

Dedicated and Motivated College Student.

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EXPERIENCE

Product Intern
SuperU

Nov 2023 – Dec 2023 | Bengaluru, India

- Employed Apriori and Association Rules algorithms for Market Basket Analysis on Shopify stores like Paki, Soft Touch Lens, and Toffee Coffee Roasters. Conducted in-depth data analysis to reveal purchasing patterns and product associations.
- Implemented Retention Analytics for select shops, including Paki, Soft Touch Lens, and Toffee Coffee Roasters on Shopify. Analyzed time gaps between first and second transactions and delivered detailed insights to refine customer behavior understanding.
- Technologies Used: Python, SQL, Data Analysis, Machine Learning.

Machine Learning Intern
Quest-Global

April 2023 – July 2023 | Thiruvananthapuram, India

- 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%.
- Worked on utilizing the Unet architecture with Efficientnetb0 as the backbone to accurately identify and localize tumors within the liver, achieving an accuracy of 90.3%.
- Technologies Used: Python, Machine Learning, Tensorflow, Computer Vision, Medical Imaging.

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

EXTRACURRICULAR ACTIVITIES

- At PESU I/O, I am currently serving as an SME, guiding 50+ students in gaining practical skills in Data Science and Machine Learning.
- 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.

SKILLS

- **Technical Skills**: Python, Data Analysis, Statistics, Machine Learning, Deep Learning, Computer Vision, Medical Imaging.
- **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

Stroke Risk Prediction
- Developed a stroke prediction model using machine learning techniques, addressing class imbalance through upsampling.
- Conducted exploratory data analysis (EDA) and feature engineering for enhanced predictive performance.
- Achieved a top accuracy of 98% with Random Forests, demonstrating strong data analysis and modeling skills in healthcare classification.
- Technologies used - Python, Data Analysis, Feature Engineering , Machine Learning.
- Rakshith2202/Stroke-Risk-Prediction