

RAKSHITH R

Dedicated and Motivated College Student.

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✉ Bengaluru, India
Portfolio Website

🌐 Rakshith2202

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EXPERIENCE

Machine Learning Intern

Quest-Global

📅 April 2023 – July 2023

📍 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%.
- 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

CERTIFICATIONS

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

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