T Sudeep Reddy

sudeepreddyt5@gmail.com +91 8106588159 Bangalore,India

PROFILE

A motivated student with a strong desire to learn and a results-driven mindset, focused on contributing to self-growth, organizational success, and societal impact through a process-oriented approach. Possesses a solid understanding of problem-solving, process optimization, and technical coding in C and Python. Seeking internship opportunities to apply and further develop my skills through hands-on experience and professional knowledge across various industries.

EDUCATION

B-Tech in Computer Science and Engineering (Artificial Intelligence) 2022 – 2026
Amrita Vishwa Vidyapeetham Bangalore, India

HIgher Secondary Education 12th 2020 – 2022
Narayana Junior college Hyderabad, India

SKILLS

Languages: Python, C, C++, Java

Libraries & Framework: NumPy, pandas, Matplotlib, Flask, React, Node.js

Tools & Platforms: AWS, MongoDB, MySQL, PostrgresSQL, PowerBI, Cisco Packet Tracer, Git

Core Concepts: Machine Learning, Deep Learning, Computer Vision, NLP

Soft Skills: Communication, Team Collaboration, Adaptability, Leadership

PROJECTS

Prediction of Parkinson's Disease Diagnosis from Gait Analysis using Human Pose estimation
- Led the development of a machine learning model that diagnoses Parkinson's Disease by analyzing gait patterns through human pose estimation.
- Extracted and analyzed key gait features using advanced techniques, successfully identifying early signs of the disease, potentially enabling timely medical intervention.

Classification of Prokaryotes and Eukaryotes and Prediction of their Phosphorylation Sites
- Engineered a robust machine learning model to accurately classify organisms as prokaryotic or eukaryotic and predict potential phosphorylation sites.
- Integrated sequence motifs, structural properties, and physicochemical characteristics, achieving enhanced predictive accuracy and contributing valuable insights to the field of bioinformatics.

Analysis of Green Computing Models on AWS Using Machine Learning Algorithms
- Led the implementation of machine learning models to evaluate and optimize green computing strategies on AWS cloud infrastructure.
- Leveraged AWS services and environmental performance metrics to analyze energy consumption patterns across various workloads.
- Applied regression and classification algorithms to identify energy-efficient configurations, contributing to sustainable cloud resource utilization and reduced carbon footprint.

PUBLICATIONS

Analysis of Green Computing models on AWS using machine learning algorithms 2024

Smart Pill Container For Improved Medication 2024

Supply Chain Logistics With Hybrid Optimization using ADMM and Vehicle Routing Problem 2024

CERTIFICATES

- AWS Academy Graduate

AWARDS

Second place in GG! Hackathon 2022
Amrita Vishwa Vidyapeetham