

Tankala Sai Prasanth

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Summary

Highly motivated software engineer with internship experience as a machine learning engineer. Skilled in C, C++, Python, data structures, algorithms, data analytics, machine learning, and web development. Proven ability to develop innovative, scalable solutions. Strong problem-solving abilities, effective communication skills, and a collaborative team player. Eager to contribute to a successful engineering team.

Education

Bachelor of technology, VIT-AP University <ul style="list-style-type: none">B. Tech in computer science and business systems with a CGPA of 8.92/10.	Amaravathi, AP	12/2021 – Present
Intermediate, Pandit Junior College <ul style="list-style-type: none">Completed with a high score of 962/1000	Visakhapatnam, AP	05/2019- 03/2021
School , Ravindra Bharathi school <ul style="list-style-type: none">Successfully completed secondary education with a CGPA of 9.8/10	Tekkali, AP	03/2013 – 03/2019

Skills & Abilities

- Programming Languages:** C, C++, Python.
- Web Development:** MERN Stack, HTML, CSS, ReactJS.
- Data & Machine learning:** Data Structures and Algorithms, Data Analytics , Machine Learning, PowerBi MS Excel.
- Other:** Artificial Intelligence, Deep learning, Git, GitHub, OS, MongoDB, SQL, AWS Cloud Practitioner.

Experience

INTERN | INTRAIN TECH | OCTOBER 2023 -NOVEMBER 2023

- Developed and deployed Python-based machine learning models for loan credit score validation.
- Improved model performance by 20% through hyperparameter tuning and feature engineering.
- Conducted and analyzed experiments to compare the effectiveness of various ML algorithms.

INTERN | ETHNUS | AUGUST 2023 – NOVEMBER 2023

- Developed and maintained a MERN stack web application for a secure online voting system.
- Implemented robust authentication and authorization using JWTs.
- Consistently met project deadlines and delivered high-quality work.

Projects

Loan Credit Score Predictor | November 2023 – December 2023

- Created a random forest-based ML model to predict loan risk, emphasizing data preprocessing and achieving robust predictive performance.
- (https://github.com/saiprasanth20/loan_risk_predictor)

Phishing URL Detection |December 2023 – January 2024

- Built an ML-based system to detect phishing URLs, utilizing Logistic Regression to achieve effective detection rates and enhance skills in machine learning and cybersecurity
- (https://github.com/saiprasanth20/phising_url_detector_using_ml)

Attendance Tracking System with Face Recognition January 2024 - February 2024

- Developed an attendance tracking system using PyTorch for face recognition. Implemented robust algorithms to ensure accurate identification and logging, enhancing proficiency in deep learning and computer vision techniques.
- (https://github.com/saiprasanth20/face_recognition_system)

Online Voting System | October 2023 – November 2023

- Designed a secure online voting system using the MERN stack, with robust authentication and user-friendly interfaces to ensure efficient and secure voting processes

Positions of Responsibilities

- Research Team Member, Blockchain Club, VIT-AP University** **12/2023 – Present**
 - Conducting research on emerging blockchain technologies and their potential applications.
 - Collaborating with team members to publish findings and present them at club meetings and university events.
- Design Team Lead, SEED Club, VIT-AP University** **09/2022 – 09/2023**
 - Led the design team in creating promotional materials and visual content for club events and initiatives.
 - Coordinated with other teams to ensure consistent and effective communication of the club's activities and goals.