Richang Chaudhary

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Professional Summary

B.Tech Computer Science student at SRMIST with comprehensive expertise in Python, C++, JavaScript, and Unix/Linux environments. Demonstrates a robust proficiency in data structures, algorithms, and software architecture, with specialized experience in machine learning, and blockchain (Solidity) innovations. Adept in full stack development (HTML, CSS), and skilled in orchestrating user-centric interfaces with Figma and Canva. Recognized as a 5-star coder on HackerRank, I excel in designing and implementing sophisticated software solutions. Driven to excel as a Software Development Engineer (SDE), poised to contribute to pioneering technologies and architect transformative solutions in the tech industry.

Skills

C, C++ , Python , DSA, Boost, JavaScript , HTML, CSS , SQL , Dialogflow , Solidity , OODP

Education

SRM Institute of Science and Technology, Chennai (Aug 2023 – Current)
B.Tech in Computer Science and Engineering

JPS, Jaora (May 2023)
12th (CBSE)

Achievements

3rd rank in Digizest 1.0

(National level hackathon organized by CTECH department of SRMIST Chennai)
Engineered a cutting-edge remote access system powered by AI, ensuring controlled system access and encrypted data transmission. Implemented real-time functionalities including video streaming, mouse pointer control, and secure file sharing with encryption overlays. Integrated advanced AI features such as facial meshing for precise user identification and real-time captioning to enhance user experience and security.

Experience

Technical Team Member | TPHxSRMIST (March 2024 – Current)

actively involved in studying and contributing to cutting-edge technologies including AI, blockchain, and development frameworks. Engaged in research and hands-on projects aimed at exploring and advancing the intersection of these fields to drive technological innovation.

Projects

Command-line Todo List Manager

- Demonstrates: File I/O, data structures, basic CRUD operations.
- Features: Add, remove, update, and list tasks; save to file

Titanic passengers survival prediction

- Developed models using Logistic Regression, Decision Trees, and Random Forests to predict Titanic passenger survival.
- Conducted data preprocessing, feature engineering, and optimized model performance through hyperparameter tuning for accurate predictions