Chebolu Sricharan

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Education

Geethanjali College of Engineering and Technology (GCET) November 2021 – May 2025
B.Tech in Computer Science and Engineering *Current GPA: 7.9/10*

Sri Chaitanya Junior Kalasala March 2019- June 2021
Board of Intermediate Education *Percentage: 93/100*

D.A.V Public School March 2019
Central Board of Secondary Education *Percentage: 89/100*

Skills and Certifications

Languages: C , Java, SQL, Python, HTML, CSS, Basics of Shell Scripting
Tools: Git, GitHub, AWS Cloud Services(EC2, S3, VPC, Route 53)
Skills: Problem Solving, Data Structures and Algorithms, Cloud Computing
Coursework: Design and Analysis of Algorithms, OS, DBMS, Software Engineering, Computer Networks

Projects & Work experience

Worked as a QA Intern as part of College Internship for Accelq May 2023 - June 2023

- Contributed to the development and execution of codeless test automation scripts using Accelq's AI Powered Agent, focusing on web UI testing for enterprise applications in various industries.
- Worked on financial service sector platform to test the functionality of the page by creating views and contexts and by recording views using the Accelq agent.

DADO For Efficient Data Migration of Cloud Instances December 2024 - March 2025

- Developed a Python-based optimization model using Adaptive Dragonfly Optimization (ADrO) and Actor-Critic Neural Networks to enhance data migration across heterogeneous cloud environments.
- Designed a multi-objective algorithm to minimize energy consumption, migration time, and transmission cost, achieving better efficiency.
- Utilized Docker, TensorFlow/PyTorch, for container management, workload prediction.
- Demonstrated improved scalability, energy efficiency, and resource utilization through intelligent cloud resource allocation.
- GIT page: *https://github.com/ChSricharan/DADO*

LZW-Driven Medical Image Compression May 2024 - October 2024

- Developed Flask web app using Python, OpenCV, and NumPy for lossless LZW compression of grayscale medical images (MRI/CT), achieving 3:1 ratios while preserving diagnostic quality for telemedicine.
- Implemented grayscale validation, decompression verification, and OpenSSL AES-256-CBC encryption for secure file handling, enabling efficient storage and password-protected transmission.
- GIT page: *https://github.com/ChSricharan/LZW*

GameOn:Java Based Fun Playing Games May 2023 - July 2023

- Developed three classic games—Tic-Tac-Toe, Brick Breaker, and Snake—using Java Swing and AWT for interactive graphical user interfaces.
- Implemented core game mechanics, including player controls, collision detection, scoring, and win/lose conditions, to enhance user engagement.
- Collaborated in a team of five to design responsive features like keyboard inputs and real-time updates, ensuring smooth gameplay on desktop platforms.
- Documented the project with data flow diagrams, requirements, and screenshots, demonstrating full lifecycle from planning to deployment.
- GIT page: *https://github.com/ChSricharan/Java_Project*

Solar Tracking System October 2023 - December 2023

- Implemented a dual-axis tracking system with sensors and algorithms.
- Ensured conversation privacy between users while allowing for domain and requestee selection Increases energy output upto 45% by optimizing sun tracking for maximum absorption.

Achievements and Extra Curricular Activities

- Awarded 2nd Prize for Project Presentation in Bhaswara Event(Inter-College event).