SUCHIN KUMAR

CONTACT

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in LinkedIn

Ⓒ CodingNinjas

LeetCode

Github

EDUCATION

SHIV NADAR UNIVERSITY
BTech in Computer Science
2021-2025 CGPA: 8.06

ARMY PUBLIC SCHOOL
Intermediate PCM
Grad: 2020 Grade: 90%

RAJDHANI PUBLIC SCHOOL
CBSE, 10TH
Grad: 2018 Grade: 86%

SKILLS

PROGRAMMING LANGUAGES
- C++ C Java Python

TECHNOLOGIES
- HTML CSS JavaScript
- PHP React.js Express.js
- Node.js

DATABASE
- MySql MongoDB

CONCEPTS
- Data Structures & Algorithms
- OOPS
- DBMS
- Operating Systems
- Computer Networks
- Artificial Intelligence
- Software Design &Engineering

CERTIFICATIONS
- C++
- Data Structures & Algorithms
- Google - Cybersecurity
- Data Science & Machine learning
- Big Data Modeling

PROFILE | PROFESSIONAL WEBSITE

Aspiring software engineer with a drive to create original solutions and excellent problem-solving abilities. Specializing in Systems Software Engineering, skilled in C/C++, Python, and full stack development. Proven teamwork and impressive project creation. Proficient in Linux, DSA, and operating systems. Lifelong learner, gym enthusiast, and passionate coder seeking dynamic software projects to grow and contribute.

PROFESSIONAL EXPERIENCE

Summer Intern, DRDO, India | link   May 2024 - July 2024
- Designed and developed a seminar application tracking system using HTML, CSS, PHP, JavaScript, and MySQL, increasing application review efficiency by 40%.
- Implemented functionalities for users to submit, review, and track seminar applications, reducing processing time by 30%.
- Collaborated with a team of 5 to identify and resolve system bugs, improving overall system stability by 20%.
- Conducted user training sessions, resulting in a 50% increase in user adoption rate.

Teaching Assistant, Coding Ninjas, India | link   Jan 2024 - April 2024
- Instructed and supported over 600 students in the Data Structures and Algorithms course, enhancing their understanding and improving their exam scores by 20%.
- Clarified complex concepts and resolved queries, contributing to a 95% student satisfaction rate. .
- Mentored junior teaching assistants, enhancing their teaching capabilities and student engagement.

PROJECTS

GRADERX | link   June 2024 - July 2024
- Developed a system to compile and grade large volumes of student submissions across multiple languages instantly, eliminating the need for manual unit tests.
- Saved professors significant time, increased grading accuracy by 40%, and reduced manpower and resource overhead, optimizing efficiency and reliability.
- Technologies Used: **Python, HTML, CSS, JavaScript,Node.js,React.js,Express.js**

Seminar Application Tracking Sytem | link   May 2024 - July 2024
- Optimized the application review process, resulting in a 50% reduction in approval time. Integrated user feedback to continuously improve the system functionality.
- Technologies Used: **HTML, CSS, PHP, JavaScript, MySQL**

Project LifeLine : AI-Driven Suicide Prevention| link   Jan 2024 - April 2024
- A machine learning pipeline for detecting suicide-related posts on Reddit and Twitter. Achieved 96% accuracy with a Random Forest Classifier using Bag of Words and TF-IDF vectorization. Visualized frequent words through word cloud generation. Enhanced text classification to 97% accuracy using a Multilayer Bi-direc LSTM with Glove embeddings.
- Technologies Used: **Flask, python**

AI 2048 SOLVER | link   Sep 2023 - Nov 2023
- Developed a 2048 AI-powered solver achieving 40% faster performance than existing solutions. Implemented algorithms like minimax with alpha-beta pruning and heuristics, enhanced with genetic algorithms for efficient move selection.
- Technologies Used: **C++,Heuristic & Genetic algorithms**

GeeksForum | link   Aug 2023 - Oct 2023
- GeeksForum optimized student and professor experiences with secure data handling, verified profiles, and real-time communication. Features like Course Communities and Popular Courses recognition streamline resource access, enhancing efficiency and saving valuable time.
- Technologies Used: **Node.js, Next.js, Typescript, MySql**

SNU-Campus Enhancement Suite | link   Aug 2023 - Oct 2023
- Implemented a feature for digital campus facility booking, reducing scheduling conflicts and improving resource utilization. Included QR code sign-ins and pre-ordered food pickups for enhanced user experience and efficiency. Integrated Google Calendar for seamless schedule synchronization and real-time updates. Upgraded hostel service management for comprehensive request tracking and increased accountability.
- Technologies Used: **Java, Android SDK, AndroidX & Firebase Libraries**

ACHIEVEMENTS
- 1x Dean's List Recipient (Spring 2022) - Given to the top 10%tile students of each major.
- Successfully solved 370+ DSA problems on Leetcode , CodingNinjas and GeeksforGeeks.