SUCHIN KUMAR

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EDUCATION

SHIV NADAR UNIVERSITY
BTech in Computer Science and Engineering , **CGPA: 8.06**

Delhi NCR
Aug 2021 - May 2025

ARMY PUBLIC SCHOOL
CBSE - Intermediate PCM, **Grade: 90%**

Jhansi,UP
July 2019 - Aug 2020

RAJDHANI PUBLIC SCHOOL
CBSE, 10TH, **Grade: 86%**

Alwar, RAJ
July 2019 - Aug 2018

TECHNICAL SKILLS

Languages: C++ , Java , C , Python , Javascript , SQL , HTML/CSS
Concepts: Data Structures & Algorithms , OOPS , DBMS , Operating Systems
Development & Tools: NodeJS, MySQL, ReactJS, PHP ,GitHub
Certifications: C++ , Data Structures & Algorithms , Google - Cybersecurity

PROFESSIONAL EXPERIENCE

DRDO | link
Summer Intern

New Delhi
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.

Coding Ninjas | link
Teaching Assistant

Delhi NCR
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. .
- Assisted in the development of course materials, ensuring they were up-to-date and relevant.
- Mentored junior teaching assistants, enhancing their teaching capabilities and student engagement.

PROJECTS

Project LifeLine : AI-Driven Suicide Prevention ⊙

June 2024 - July 2024

- Developed and implemented a machine learning pipeline to detect suicide-related posts on Reddit and Twitter, achieving a 96% accuracy with Random Forest Classifier using Bag of Words and TF-IDF vectorization.
- Optimized model parameters via grid search CV and performed text cleaning with custom stopword removal.
- Achieved 97% accuracy using a Multilayer -Bidirec LSTM with GloVe embeddings for enhanced text classification.
- Technologies Used: **Python, NLTK, SpaCy ,TF -IDF**

GraderX ⊙

May 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: **HTML, CSS, JavaScript, Node.js, React.js, Express.js ,Python**

Seminar Application Tracking Sytem ⊙

May 2024 - July 2024

- Led the development of a web portal for seminar application submission and tracking.
- 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**

ACHIEVEMENTS

- 1x Dean's List Recipient (Spring 2022) - Given to the top 10%tile students of each major.
- Successfully solved 270+ DSA problems on CodingNinjas , Leetcode and GeeksforGeeks.