Ayush Sharma

ayushsharma.2k1@gmail.com | + 91 7061870355

|Github | LinkedIn | Codechef | LeetCode

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, Vellore | Bachelors Computer Science
GPA: 8.78
M.M PUBLIC SCHOOL, New Delhi | CBSE XII
Percentage: 85%
ST. PATRICK'S HIGHER SECONDARY SCHOOL | ICSE X
Percentage: 90%

EXPERIENCE

Samsung R&D Institute, India | Research Intern   Bangalore, India | Oct 2021 – Present

- Working under Ms. Shankarappa to design and develop a library in C++, which supports variety of communication protocols for client server communication in mesh environment which can also support generic data transfer using simple api.

INDIAN INSTITUTE OF TECHNOLOGY | Research Intern   Kanpur, India | Mar 2020 – Jun 2020

- Worked under Prof. L. Behera and lead a team of 4 people for a period of 90 days. Presented a research paper on the comparative analysis on efficiencies of variants of convolutional neural networks based on Image classification on the ImageNet Dataset.

VIT LEO CLUB (Non-Profit Organization | Core Committee Member   Vellore, India | Sep 2020 – Present

SKILLS

Programming Languages: C++, Python, Java, SQL, HTML, CSS, Javascript
Libraries/Frameworks: Scikit-Learn, Tensorflow, Pytorch, Keras
Tools/ Platforms: Amazon Web Services, Github, Jupyter Notebook, MATLAB
Coursework: Data Structure and Algorithms, Database Management System, Operating System, Computer Architecture, Networks, Software Engineering

PROJECTS / OPEN-SOURCE

TECHNICAL REVIEW TOOL [Source Code]
Created a web application that facilitates the software development teams to record and track the technical reviews conducted during software development.
Technologies Used: HTML, CSS, Javascript, Bootstrap, Node.js, Express.js, Redis, MongoDB

MULTITHREADED DOWNLOAD MANAGER [Source Code]
Created a download manager to improve the download speed with the help of more core processors using multithreading.
Technologies Used: Java

ROAD CONSTRUCTION USING HIGHWAY PLANNING AND OBSTRUCTION PREVENTION [Source Code]
Prioritization and scheduling the road construction using Djikstra's and CPU Scheduling algorithms respectively, avoiding dead-lock due to lack of resources, and providing a safe sequence for the same using Banker's.
Technologies Used: C

TRAVEL EASY [Source Code]

Implemented and gave a detailed overview of the database management system used to facilitate the process of a tourism website.
Technologies Used: HTML, CSS, Javascript, PHP, MySQL

HONORS & AWARDS

- Ideathon 2019 Finalist at VIT
- Global Rank 1302 in February Challenge 2021 on Codechef
- AWS Cloud Practitioner
- Google Cloud Certified Professional Cloud Architect