Akshay M

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EDUCATION

IIIT HYDERABAD
M.TECH IN CSE
8.36 CGPA
2020-22

TKMCE KOLLAM
B.TECH IN CSE
8.04 CGPA
2015-19

ARMY PUBLIC SCHOOL
CLASS XII: 95.4% (Batch Topper)
CLASS X: 9.6 CGPA

LINKS

Github:// **akshayxml**
LinkedIn:// **akshayxml**
Leetcode:// **akshayxml**

SKILLS

- Problem Solving
- Data Structures and Algorithms
- Communication • Debugging
- C++ • Java • NodeJS
- Python • Docker
- Kafka • Redis

ACHIEVEMENTS

•Appointed as Teaching Assistant for the course Data Structures and Algorithms at IIIT-H, Monsoon '21

•Max Rating of 2333 on LeetCode - Top 50 in India (out of 15000+)

•98.5 percentile in GATE(CSE) 2020

•Top 24/251 in TCS Blockathon '18

•Finalist at National level technical quiz - TechniKwiz 2016

EXPERIENCE

MEDIA.NET | Software Development Engineer
July 2022 - Present | Remote

- Working on complex algorithms to identify the right ads for the user based on contextual and profile information.
- Tech: Java, NodeJS, Python, Redis, Kafka, NiFi

SAMSUNG RESEARCH INSTITUTE | Student Trainee
May 2021 - July 2021 | Bangalore, IN

- Worked in the Visual Intelligence team to explore the opportunities for research in Neural Rendering in the context of AR.

QBURST | Salesforce Developer
July 2019 - August 2020 | Kochi, IN

- Implemented customer-based solutions and developed products on the Force.com platform using Apex, VisualForce, and Lightning Components.

IIST | Research Intern
June 2018 – July 2018 | Trivandrum, IN

- Worked under Dr. B.S. Manoj on Complex Networks to find out the anchor nodes in different types of networks which reduces the average shortest path length in the network by the maximum.

PROJECTS

PEER-TO-PEER GROUP BASED FILE SHARING SYSTEM
C++, Socket Programming, PThread

- Created a P2P file sharing system using socket programming, multi-threading and SHA1 hashing.
- Users can share, download files from the group they belong to.
- Downloading is done in parallel with multiple pieces from multiple peers.

LINUX TERMINAL BASED FILE EXPLORER
C++

- Created a Linux terminal based file explorer which can be used to view and traverse directories in Normal Mode.
- It has options to open, create, delete, rename, copy, move, search files and directories, and goto other directories, in Command Mode.

GOOGLE FILE SYSTEM
Python, gRPC

- Implemented Google File System from it's research paper with the options to create, append, read, delete, and undelete files.
- It supports data replication, load balancing, and high availability.