Mayank Parashar

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Education

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY
B.Tech Computer Engineering, CGPA - 9.04

New Delhi, India
August 2019-July 2023

ST. GEORGE SCHOOL
Class XII - CBSE, Percentage - 86.8%
Class X - CBSE, CGPA - 9.8

New Delhi, India
April 2016 - March 2018
Class of 2016

Experience

FUTURES FIRST
Algorithmic Trader

Hyderabad, India
July 2023 - Present

- Successfully oversaw and navigated a proprietary trading account in US/UK Agriculture Futures, surpassing industry benchmarks.
- Spearheaded in-depth market research and analysis, resulting in the identification of key market trends and the implementation of risk-averse strategies.

SHIRYAM TECHNOLOGIES
Software Development Engineer Intern

Remote
October 2022 - January 2023

- Orchestrated collaborative efforts within the team to streamline cross-border payments and compliance for small and medium-sized enterprises in India, resulting in a 30% reduction in transactional complexities and a 25% improvement in compliance efficiency.
- Innovated and engineered API interfaces, enhancing application performance with a 97.8% increase in system responsiveness.
- Optimized and improved caching tasks resulting in a significant response time reduction. (9 seconds to 200 milliseconds)
- Leveraged an extensive tech stack including Flask, Redis, PostgreSQL, AWS resulting in a 25% acceleration in development timelines.

IMOCHA
Algorithm Design Intern

Remote
November 2022 – February 2023

- Designed innovative problems for complex algorithmic challenges on Recursion, Binary Search, Dynamic Programming, and Graphs.
- Spearheaded the development of their software to incorporate these designed problems.

Achievements

Top 6% - Codeforces | Top 1% - Codechef max rating - 2084 (5 star) | Top 3% - Leetcode max rating - 1981

- Global rank: **545** in **Google Kickstart** Round H | November 2022
- Global rank: **902** out of **9300** participants in **Google Kickstart** Round F | September 2022
- Rank: **77** out of **1243 [Top 6%]** teams in **ICPC Amritapuri** Regional Round | March 2022
- Global rank: **25** out of **3716** participants **[Top 0.6%]** in **Codechef February Cook Off** (Div. 2) | February 2022
- Global rank **1819** out of **34,584** participants **[Top 5%]** in **Facebook Hacker Cup** | August 2021

Top Projects

Sign Language Interpreter | Django, PostgreSQL

February 2022

- Created a sign language interpreter achieving a 99% accuracy for real-time interpretation technology.
- Innovated a unique learning feature within the sign language interpreter application, increasing user engagement and interaction.

Content Protector | Flask, PostgreSQL, HTML, CSS, JavaScript

July 2021

- Developed a web application for secure text storage with robust RSA Encryption, resulting in a system fortified against potential security threats, and achieving an improvement in data protection.

Covid Susceptibility Checker | SpringBoot, MongoDB, ReactJS

August 2020

- Programmed a priority queue system for blood tests which is more efficient compared to the first come first serve method.
- Improved diagnostic accuracy by 98.8% through the integration of X-ray analysis and patient history.

Skills and interests

Programming Languages: Python, C, C++, Go, Java, JavaScript, HTML, CSS, Sass
Frameworks and tools: Django, React, NodeJS, Flask, Postman, Redis, SpringBoot, Big Data, MongoDB, ELK, PostgreSQL, Git