

Mayank Parashar

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EDUCATION

Bachelor of Technology Computer Science

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY CGPA - 9.27

New Delhi, India | 2019 - 2023

AISSCE (Class XII)

ST. GEORGE'S SCHOOL - 86.8%

New Delhi, India | 2018

AISCE (Class X)

ST. GEORGE'S SCHOOL CGPA - 9.8

New Delhi, India | 2016

WORK EXPERIENCE

SHIRYAM TECHNOLOGIES | SOFTWARE DEVELOPMENT ENGINEER INTERN

Oct 2022 – Jan 2023 | Remote

- Collaborated with the backend team to develop a platform for facilitating cross-border payments and compliance for small and medium-sized enterprises in India.
- Designed and engineered API interfaces for various functions, including application cache clearing.
- Optimized and improved a caching task resulting in a significant reduction from 9 seconds to 200 milliseconds.
- Streamlined and remodeled code for increased concision and enhanced readability. Additionally, upgraded and maintained the performance of the platform. Improved the usability of the platform by 3 percent.
- Utilized tools and technologies such as flask, redis, PostgreSQL, AWS, Postman, Docker, and git in development.

IMOCHA | PROBLEM SETTER

Nov 2022 – Present | Remote

- Internship where I design algorithmic problems.
- Currently, I have developed problems on Recursion, Binary Search, Dynamic Programming, Strings and Graphs.

PROJECTS

CONTENT PROTECTOR

PYTHON, FLASK, POSTGRESQL, HTML, CSS, JAVASCRIPT

- LIVE LINK
- Created a web application for secure storage of text in encrypted format on the server side.
- Developed using the Flask framework in Python and utilizing a PostgreSQL database.
- Implemented and incorporated RSA Encryption to securely store text in the database.

MIT OCW 6.006 PROBLEM SET

PYTHON

- Sweep line algorithm to check for intersection points in a wire layer.
- Rubik Cube Solver using BFS.
- Pathfinding Algorithm using Dijkstra.

CODING PROFILES

- Expert on **Codeforces** [Top 6%] under the handle [Greyhound](#)
- Max **Codechef** rating of **2084 (5 star)** [Top 1%] under the handle [greyhound](#)
- Max **Leetcode** rating of **1981** [Top 3%] under the handle [Grishound](#)

ACHIEVEMENTS

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