Rajiv Harlalka

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EDUCATION

Indian Institute of Technology, Kharagpur   **2020 – 2025(Expected)**
*Integrated M.Sc in Mathematics and Computing - **CGPA** - **9.29***   *Kharagpur, West Bengal*

Central Board of Secondary Education   **2020**
- ***Percentage* - *92%***   *India*

Indian Certificate of Secondary Education   **2018**
- ***Percentage* - *92.8%***   *India*

EXPERIENCE

InterIIT Tech Meet 11.0 | Nodejs, MongoDB, AWS, gRPC, RabbitMQ   **Jan 2023 - Feb 2023**
Backend Developer   *Kanpur*
- **Part of the Gold winning team** for the problem statement presented by Grow Simplee.
- Created and Deployed **multiple HTTP and gRPC API** that served the frontend and optimizations.
- Implemented the use of **message queue** for decoupling asynchronous services from the main server

Mello 🔗 | Nodejs, PostgreSQL, MongoDB, AWS   **Feb 2022 - Current**
Backend Intern   *Bangalore*
- **Served as a lead API and service developer** that serves main mobile app as well as the admin portal.
- Reduced response time for API's **by more than 25%** by optimising database queries and using Promises.
- **Dockerised services for deployment** and setup CI/CD for development and production on AWS ECS

Felvin Search 🔗 | React, NodeJs, SQLite   **Dec 2021**
Application Developer   *Remote*
- Interned as a Application Developer,a startup aiming to **improve search experience** by community apps
- Made a instant App for **Reference Implementation of Code**, display code snippets based on user's query of language and algorithm.
- Made Backend service and API's that **serves 50k+**code snippets for different algorithms and languages

PROJECTS

Go Space 🔗 | Golang, Slack, Docker   **June 2022**
- A Slack bot that uploads images posted on slack public channels on imgur to clear space on workspace
- Used Slack and Imgur's API's to integrate with the functionalities and respond to image uploads.
- Dockerised and deployed the app which is currently being used in multiple personal workspaces.

Mercari Large Scale System Design Hackathon 🔗 | Python,AWS,Kubernetes,Docker   **March 2022**
- Part of the Gold winning team for the Inter IIT Mercari Large Scale System Design Hackathon
- Designed and implemented a scalable solution to the Problem Statement using Microservices.
- Implemented Prometheus and Graphana Metrics to show live status of each microservice and container

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, Typescript, Go
Technologies/Frameworks: NodeJS, Docker, Kubernetes, Prometheus, Protobuf, gRPC, RabbitMQ
Databases: PostgreSQL, MySQL, SQLite, MongoDB

Position of Responsibility

Kharagpur Open Source Society 🔗   **June 2021 – Current**
Core Team Member
∗ Member of society at IIT Kharagpur that organises events and workshops to promote Open Source Culture
∗ Organized KWoC, a month long event for students to contribute to Open Source with 1000+ registrations

Activities & Scholastic Achievements

- **Open Source Involvement:**Participated in Hacktober Fest 2021 and made a total of 8 PR's
- **IIT JEE**: Secured a rank within 2% in JEE Advanced and in 1% in JEE Mains 2020