

# RAJIV HARLALKA

+91-8987966604 | [rajivharlalka009@gmail.com](mailto:rajivharlalka009@gmail.com) | [rajivharlalka](https://www.linkedin.com/in/rajivharlalka) | [rajivharlalka](https://www.github.com/rajivharlalka) | [rajivharlalka.me](https://www.rajivharlalka.me)

## EDUCATION

**Indian Institute of Technology, Kharagpur** **2020 – 2025(Expected)**  
*Integrated M.Sc in Mathematics and Computing - CGPA - 9.45* *Kharagpur, West Bengal*

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

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

## 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 Grafana Metrics to show live status of each microservice and container

**KGPverse** | React, Sass, NodeJS, Postgres, AWS EC2, AWS S3 **Nov 2021 - Jan 2022**

- Made KGPverse, a web application that would synchronise a student's academic, extracurricular, and co-curricular information in one place as a submission to TSG Hackathon
- Worked in a team of 8 to complete the platform in 2 months with error checking at all places
- Uses S3 to store student documents and PM2 load balancer on an EC2 to run the API
- Stored data in SQL tables run on a postgres instance through Supabase

## INTERNSHIP

**Mello** | Nodejs, PostgreSQL, MongoDB, AWS **Feb 2022 - Current**  
*Backend Intern* *Bangalore*

- Served as a lead API's and service's developer that serves main mobile app as well 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 branch 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 driven apps
- Made a instant App for Reference Implementation of Code, displays 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

## TECHNICAL SKILLS

**Languages and Tools:** Python, C, C++, JavaScript, Go, VS Code,  
**Technologies/Frameworks:** React, React Native, Sass, Styled Components, Docker, Kubernetes  
**Databases:** MySQL, Postgres, SQLite, MongoDB

## Position of Responsibility

**Kharagpur Open Source Society** **June 2021 – Current**  
*Core Team Member*

- Member of society at IIT Kharagpur which 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