

RAJIV HARLALKA

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EDUCATION

Indian Institute of Technology, Kharagpur

Integrated M.Sc in Mathematics and Computing - **CGPA - 9.45**

2020 – 2025(Expected)

Kharagpur, West Bengal

Central Board of Secondary Education

- **Percentage - 92%**

2020

India

Indian Certificate of Secondary Education

- **Percentage - 92.8%**

2018

India

TECHNICAL SKILLS

Programming Languages: Python ,C ,C++ ,JavaScript ,Typescript ,Go

Technologies/Frameworks: NodeJS ,React, Docker, Kubernetes , Prometheus , Grafana

Databases: MySQL ,PostgreSQL ,SQLite ,MongoDB

EXPERIENCE

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 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

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

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