

RAJIV HARLALKA

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EDUCATION

Indian Institute of Technology, Kharagpur **2020 – 2025(Expected)**
Integrated M.Sc in Mathematics and Computing - CGPA - 9.62 *Kharagpur, West Bengal*

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

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

PROJECTS

[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

[Kharagpur Winter of Code \(KWoC 2021\)](#) | GoLang, Postgres, React, Sass **Nov 2021 - Jan 2022**

- Organized KWoC, a month long event for students to contribute to Open Source with 1000+ registrations
- Made a platform for students to find and contribute to projects, while also interacting with their maintainers
- Created new endpoints and updated existing one to sync with changes from previous years
- Updated the existing SQL Table with new Columns and adding Foreign Keys to simplify SQL queries

INTERNSHIP

[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

[Karbon](#) | [React Native](#), [Sass](#), [NodeJs](#), [Firebase](#), [Postgres SQL](#) **July 2021 - Sept 2021**
Full Stack Intern *Remote*

- Interned as a Full Stack Developer, a Stealth Mode StartUp building a door to door waste pickup service
- Designed the SQL tables for storing User data and optimized queries for better search efficiency.
- Created the API to serve data to the Mobile frontend through REST API protocols.
- Contributed in a team of 4 to design the Mobile frontend and OTP login system using Firebase API's

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