

RAJIV HARLALKA

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EDUCATION

Indian Institute of Technology, Kharagpur

Integrated M.Sc in Mathematics and Computing - **CGPA - 9.62**

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

PROJECTS

[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

[Accio](#) | HTML, Sass, SSG

Nov 2021

- Accio is a Zola Static Site Generator theme that can be used to build Personal Blog Sites.
- Uses Tera as a Templating engine, Sass for custom styling and content written in Markdown
- Minimalist in design and simple to configure with a support of unicode emoticons

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, SQL, NoSQL, Go, VS Code, PgAdmin, Postman

Technologies/Frameworks: React, React Native, Sass, Styled Components, Express Js, Flask

Databases: MySQL, Postgres SQL, SQLite, MongoDB

Position of Responsibility

[Kharagpur Open Source Society](#)

June 2021 – Current

Core Team Member

- Member of society of 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 withing 2% in JEE Advanced and in 1% in JEE Mains 2020