# CHIRAG GHOSH

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## EDUCATION

**Indian Institute of Technology, Kharagpur**                    **2020 – 2024 (Expected)**
*B.Tech in Computer Science and Engineering - **CGPA - 9.24***                    *Kharagpur, West Bengal*

## INTERNSHIPS

**Mello**                    **March 2022 – June 2022**
***Front-end Intern** | Javascript, React Native, React, vite*                    *Bengaluru, India*
- Built the client-side react-native Android app along with reels and live class functionality using mux.
- Built a modern, custom designed and intuitive admin side dashboard with video-conferencing feature using react.
- Moved from CRA (Webpack) to Vite and ESbuild resulting in faster builds while using less resources.

**Project-IAS**                    **August 2021 – October 2021**
***Full Stack Intern** | ReactJS, Node.js, MongoDB, MeiliSearch, AWS*                    *Remote*
- As a full-stack developer intern, I built the website bringing 400+ active users and generated 8k+ revenue. The front-end was in react while the back-end was in node.js using mongoDB all hosted in AWS.
- Built a search-engine powered by Meilisearch for IAS aspirants along with personalised learning tracker and revision reminder system based on spaced repetition in a subscription-based payment model.

## PROJECTS

**Go-space** | Golang, Slack API                    **May 2022**
- Created a slack bot which uploads images from slack workspace to imgur to save slack workspace storage.
- Used fiber as webserver and go coroutines for various tasks making the service fast and more reliable.

**SaasiFi** | Typescript, ReactJS, Styled-Components, Nivo Graphing Library                    **March 2022**
- Part of the **Gold winning** IIT-KGP team for Digital Alpha's sec filing analyzer high-prep Inter-IIT event.
- Build the dashboard from scratch using React and Nivo to display insightful and concise sec filing trends.

**TSG Website Hackathon** | ReactJS, Sass, Node.js, PostgreSQL, AWS                    **December 2021 – January 2022**
- Made KGP-Verse, an all-in-one solution to a student's academic and extra curricular information.
- Worked in a group of 8 to create a full-stack application using React, Node and PostgreSQL in 2 months.
- Used AWS S3 to store student documents and hosted the API in AWS EC2 with PM2 load-balancer.
- Used git/github to collaborate together and setup automatic deployment using Github Actions and Netlify.

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, Java, C, C++, Golang, Python
**Web Technologies/Frameworks:** ReactJS, React Native, NextJS, Node.js, Express, Selenium
**Databases:** MongoDB, MySQL, PostgreSQL, Meilisearch
**Platforms/Tools:** Git, Linux, Docker, Nginx, Android Studio, Figma

## ACHIEVEMENTS

- Completed all 5 levels of Google foobar challenge learning many new algorithms like Ford-Fulkerson.
- Secured a rank of 467 amongst 2.5 Lakh shortlisted candidates in JEE(Advanced) and 945 in JEE(Mains).
- Secured a rank of 306 in Kishore Vaigyanik Protsahan Yojana (KVPY) SX Stream.

## EXTRACURRICULAR

**Kharagpur Open Source Society**                    **June 2021 – Present**
*Core Team Member*                    *Kharagpur*
- Organised **Kharagpur Winter of Code**, a month-long event for encouraging Open Source contributions.
- Organised workshops on Git/Github, Linux shell scripting, Python, GSoC for students of IIT Kharagpur.