

Chirag Ghosh

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Education

Indian Institute of Technology Kharagpur

B.Tech, Computer Science and Engineering (CGPA: 9.14/10)

Kharagpur, India

2020 – 2024 (Expected)

Internship

American Express (India) Private Limited

Technology Intern

Bengaluru, India

May 2023 - July 2023

- Built an interactive visualization dashboard using **Grafana** from the usage data of various test tools stored in **Elastic**.
- Used Grafana global variables and data-links to provide customizable, more granular and detailed data visualization.
- Fixed errors in data pipeline from **Jenkins** to Elastic Stack through **MongoDB** resulting in larger & more accurate data.

Mello

Frontend Developer Intern

Bengaluru, India

March 2022 - June 2022

- Built the client-side **React-Native** Android app using UI-kitten and added 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 developer mode reloads while using less resources.

Projects

Go-space

May 2022

- Created a **Slack bot** using Golang which uploads images from workspace to Imgur to save limited storage in free plan.
- Used **fiber** as webserver and **goroutines** for various concurrent tasks making the service faster and more reliable.

KGPVerse

December 2021 - January 2022

- Built an all-in-one app for a student's academic, extra-curricular and co-curricular needs winning a **best feature award**.
- Worked in a group of 2 to create a full-stack application using **React, Node and PostgreSQL** in 2 months.
- Used **AWS S3** to store student documents and hosted the backend in **AWS EC2** with **PM2** load-balancer.
- Used Git/Github to collaborate together and setup **automatic deployment** using Github Actions and Netlify.

Competitions

- Represented IIT Kharagpur in the **Gold winning** team for Digital Alpha's SEC-filing analysis in **Inter-IIT Meet 10.0**.
- Won **Smart India Hackathon '22** as a team of 4 for building an interactive dashboard for UGC legal team in 36 hours.
- Won **Gold** in Photostory and Filmmaking event of **Inter-IIT Cultural Meet 5.0** as part of IIT Kharagpur contingent.

Technical Skills

Programming & Scripting Languages:

JavaScript, Typescript, Sass, C/C++, Golang, Java, Python, Bash

Frontend Frameworks & Tools:

Typescript, ReactJS, React Native, NextJS, Astro, Sass, Vite

Databases & Backend Frameworks:

PostgreSQL, MongoDB, MySQL, Node.js, Express, Selenium, Playwright

Platforms & Other Tools:

Linux, Git/Github, Docker, Nginx, AWS, Grafana, Elastic Stack, Figma

Positions of Responsibility

Kharagpur Open Source Society

Executive Head

Jun 2021 - Present

- Conducted **Kharagpur Winter of Code (KWOC)**, a month-long program for encouraging Open Source contributions.
- KWOC 2022 saw **1500+** participants, with **60+ open source projects** and **500k+ lines of code** changed.
- Organised hands-on workshops on Git/Github, Linux shell scripting, Python, GSoC for students of IIT Kharagpur.

Technology Filmmaking & Photography Society

Associate Member

January 2021 - Present

- Mentored a team of 6 as part of the Freshers' Production and made a short-film which got **1.5k+ views** on Youtube.
- Organised workshops for freshers on Photography, History of Cinema, Scriptwriting, Cinematography, Direction & Editing.