

Sahil Shubham

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I am enthusiastic about Open Source, writing organized code and knowing what I don't know

Education

Indian Institute of Technology

B.Tech in Metallurgy & Materials Engineering

Kharagpur, India

2019 – 2023 (Expected)

Experience

Workduck

January '22 – December '22

Product Engineer | ReactJS, ElectronJS, Typescript, Zustand, Styled-Components

- Founding engineer at Workduck, a startup aiming to create an end-to-end collaboration tool for product teams
- Helped migrate the electron desktop app to a web-app and a browser extension, to make the product OS agnostic
- Setup a mono-repo with Vite, SWC, Webpack and Nx for better sharing of utility functions and UI components
- Implemented inter-process communication between the extension and webapp to keep user data in sync and improve UX

Felvin Search

May '21 – December '21

Full Stack Intern | ReactJS, Redux, Styled-Components, NodeJS, Docker, AWS

- Interned as a Full Stack developer at Felvin, a startup aiming to improve search experience by community driven apps
- Developed search integrations to allow users to search through their personal documents for Pocket, Notion and Drive
- Dockerized the existing codebase and deployed on AWS ECS using GitHub Actions for Continuous Deployment
- Developed custom CLI to improve the developer experience and handle custom Webpack bundling for multiple packages
- Maintained the [open source repository](#) and helped conduct a hackathon which garnered **18 pull requests in 2 days**

Open-Source Projects

KGPyaar | ReactJS, TypeScript, Sass, Flask, MongoDB

January '21 – February '21

- Implemented ElGamal encryption on client side to make an E2E encrypted dating site for students of IIT Kharagpur
- Made custom React authentication hooks to handle user data, login and a multi-step user registration process
- Wrote [white paper](#) to spread awareness resulting in more than **600+ registrations**, and **90 matches in 2 weeks**

Grameen-Setu | ReactJS, Typescript, Sass, React Hook Form

March '21

- Made Grameen Setu, a progressive e-commerce platform to connect SMEs and self-help groups in rural India
- Worked in a team of 4 to develop the platform in 3 weeks and tested robustness among real producers and consumers
- Won **gold for best Tech-Led Innovation for Rural Entrepreneurs** organized by Dhristee in InterIIT Tech Meet
- Went on to **win the on campus round** and the **Dhaka Regional Summits** for the **Hult Prize 2022**

Kharagpur Winter of Code (KWOC) | ReactJS, Bulma, Sass, Go

November '20 – January '21

- Organized KWOC, a month long event for students to contribute to Open Source with **2500+ registrations**
- Made a platform for students to find and contribute to different projects, while also interacting with their maintainers
- Used GitHub API to show real time contributions of thousands of students and evaluated them at the end of the event

Technical Skills

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

Frontend Libraries/Frameworks: TypeScript, ReactJS, NextJS, Redux, Flutter, Sass, Styled-Components

Backend Libraries/Frameworks: NodeJS, Flask

Databases: MySQL, PostgreSQL, MongoDB

Systems/Platforms: Git, Linux, Nginx, Docker, Kubernetes, AWS

Position of Responsibility

Kharagpur Open Source Society | Advisor

October '20 – Present

- Helped conduct workshops regarding Git, Vim, Python and REST API to promote Open Source in IIT Kharagpur
- Organized KWOC, a month long event for students to contribute to Open Source with **2500+ registrations**

Activities & Scholastic Achievements

Open-Source Involvement: Helped promote and maintain multiple projects aimed at improving student life such as [ERP Auto-Login](#), [Gyft Serve](#) and [LTTKGP](#)

Competitions: Won gold in InterIIT Tech 2022 for [Saasifi](#), a platform to view and compare SEC filings. Also, won gold in **Mercari large scale system design hackathon** by creating a scalable hospital management system for handling patients' history and doctors.