

PRITISH SAMAL

B.Tech | NIT Rourkela

✉ pritish.samal918@gmail.com

🌐 CIPHERTron

🌐 pritishsamal.xyz

in pritishsamal/

🐦 PritishSamal11

📞 8018319526

WORK EXPERIENCE

Software Engineer 1

📅 August 2023 – Present

Harness.io

- Developed a business value realization dashboard for the Harness platform, employing **React**, **TypeScript**, and **Golang**. This tool checks pipeline construction best practices and tracks stickiness metrics to boost customer retention.
- Developed an internal tool for customer onboarding and lifecycle tracking, successfully retiring the Gainsight platform and consequently saving the costs previously incurred from its use.
- Additionally, designed and implemented a scheduled automation for issuing license utilization alerts and renewal notifications on Slack.

Software Development Intern

📅 May 2022 – Feb 2023

BharatPe

- Worked primarily in the **Web Chapter** and created reusable components in React & TypeScript utilizing the **React Testing Library** in a test-driven development environment.
- Closely worked with the **Unity Small Finance Bank** (recently acquired by BharatPe) building a revolutionary branch banking service for the customers & employees.
- Built a **video widget** for the BharatPe merchant app using React, TS, & Rephrase AI apis which was used by over a **100,000** merchants.
- Also worked on the login flow, address feature, OTP verification, pre-loader, voucher flow and products flow of the **Zillion App** (formerly **Payback**) which is essentially a unique coalition loyalty program.

Software Development Intern

📅 Sep 2021 – Nov 2021

Cloud Native Computing Foundation - Kyverno

- As an LFX mentee, I worked on extending the test command of CNCF - Kyverno (a kubernetes native policy management engine) to cover generate policies and improving its test coverage
- Ideated the structure of test.yaml for generate policies taking into consideration the existing test command workflow & then worked on tweaking the test command using **Golang**, kubernetes, fake go-client, Docker & Kubernetes. Also wrote unit tests and e2e tests for the same.

Backend Developer

📅 Jun 2021 – Aug 2021

Open Bioinformatics Foundation

- During Google Summer of Code, 2021 I worked on developing a **Journal Policy Tracker** using python, poetry, flask, & SQLite3.
- Implemented the CRUD functionalities of journals and their related policies as well as set up an authentication & authorization system.

PROJECTS

NITR Utsav - Cultural Fest of NIT Rourkela - nitrutsav.live

- Spearheaded a developer team to create a highly interactive website for the cultural fest of NIT Rourkela which had close to 1 million hits.
- Developed the frontend using React, TypeScript, Styled Components, and Twin Macro whereas used Express, TypeScript, GraphQL, Prisma, & MongoDB for the backend & then deployed it on Digital Ocean.
- We used Instamojo for payments and Firebase for user authentication. Created an admin dashboard from where we could add or update events, fetch transaction details, and many more.

EDUCATION

B.Tech Ceramic Engg. | 2019-23

NIT Rourkela | 7.35/10

Intermediate | May 2018

De Paul School | 90.0%

PROGRAMMING SKILLS

Programming Languages

JavaScript, TypeScript, Golang, Bash, Python

Industry Knowledge

OOPS, Data Structures, Computer Networking, Cloud Computing, Full Stack Development

Frameworks and Libraries

React, Redux, Next.js, Gatsby, Node.js, Express, GraphQL, Mongoose, MongoDB, Flask, MySQL, Gofiber, Socket IO, PostgreSQL

Tools and Technologies

Git, GitHub, Figma, Linux, Docker, Kubernetes, Grafana, Prometheus, Kyverno, Kafka, Service Mesh, API Gateway, DigitalOcean, GCP, Jenkins, Circle CI

Languages

English, Hindi, Odia

PORS

Mentor, Google Summer of Code'22

- Mentored a contributor under the **Open Bioinformatics Fdn.** organisation during GSoC'22 to build a Journal Policy Tracker

YouTube Admin, Kubernetes

- I'm one of the primary Youtube admin of the official **Kubernetes** YT channel.

GitHub Campus Expert

- A program by **GitHub Education** that strives to build diverse and inclusive spaces to learn skills and build projects together.

Community Manager, OpenCode

- It is the open-source community of NIT Rourkela registered under SAC, NITR.

Tech Lead - HackNITR Hackathon

- One of the largest hackathons in Eastern India with more than 2200 hackers

Secretary, Film & Music Society

- Elected as the Secretary at FMS to uplift the multi-cultural environment at NITR