# PRITISH SAMAL

**B.Tech | NIT Rourkela**

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## WORK EXPERIENCE

### Software Development Intern
📅 May 2022 – Present
**BharatPe**

- Primarily worked in the **Web Chapter** and built reusable components using React & TypeScript. Also worked on developing and maintaining their core component libraries(Bharat UI & Utileo) which is actively used in most of their products.
- Closely worked with the **Unity Small Finance Bank** (recently acquired by BharatPe) building a revolutionary branch banking service for the customers & employees. Also built an automation tool to ease the process of adding bank agents and assigning them roles and privileges.
- Built a **video widget** for the BharatPe merchant app using React, TS, & Rephrase AI apis which was used by over a **10,000** merchants.

### MLH Spring'22 Prep Fellow
📅 Jan 2022 – Feb 2022
**Major League Hacking - Fellowship**

- A 3 week intensive program, collaborated with **15+** students from **6 different countries**. Built out a portfolio of projects using new technologies (React, Jekyll, Rust, Python) during a short, impactful hackathon sprint. Also lead the front-end team with delegating tasks & conducting daily stand-ups.

### 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 Go, 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.
- Used SQLite3 for storing data with SQLAlchemy as the ORM and automated its deployment to Heroku using GitHub actions

## PROJECTS

### Kaagaz - Official Magazine of NIT Rourkela

- Implemented a highly scalable frontend for the official magazine of NIT Rourkela along with a custom markdown parser.
- Incorporated blog, progressive web app (PWA) & animation features for a seamless experience using Next.js, TypeScript, Styled Components, integrated Google Analytics, and deployed it on Vercel.

### Mini Node Exporter

- It is a type of monitoring stack and an exporter for hardware and OS metrics like avg. load, uptime, etc that's exposed by the prom-client.
- Developed it using Express.JS and prom-client for the server, Prometheus and Grafana for continuously monitoring the stack, Docker to containerize the express app, and Docker Compose to orchestrate the whole stack.

## EDUCATION

**B.Tech Ceramic Engg. | 2019-23**
NIT Rourkela | 7.52/10

**Intermediate | May 2018**
De Paul School | 90%

**Matriculation | May 2016**
De Paul School | 91.2%

## PROGRAMMING SKILLS

**Programming Languages**
JavaScript, TypeScript, Golang, C++, Python

**Industry Knowledge**
OOPS, Data Structures, Full Stack Web Development, Cloud Computing

**Frameworks and Libraries**
React, Redux, Next.js, Gatsby, Node.js, Express, Mongoose, MongoDB, Firebase, Flask, SQLite, Gofiber, Socket IO

**Tools and Technologies**
Git, GitHub, Webpack, Heroku, Docker, Kubernetes, Prometheus, Grafana, Kyverno, DigitalOcean

**Languages**
English, Hindi, Odia

## PORS

**Mentor, Google Summer of Code'22**
- Mentored a project under the **Open Bioinformatics Fdn.** during GSoC'22.

**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

## INTERESTS

Open-Source, Frontend, DevOps, Cloud