

# PRITISH SAMAL

B.Tech | NIT Rourkela

✉ pritish.samal918@gmail.com

🔗 CIPHERTron

🌐 pritishsamal.com

in pritishsamal/

🐦 PritishSamal11

☎ 8018319526

## WORK EXPERIENCE

Software Development Intern

📅 May 2022 – Present

**BharatPe**

- Primarily worked in the **Web Chapter** and built reusable components using React & TypeScript.
- 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 **100,000** merchants.
- Also worked on the login flow, address feature, OTP verification, pre-loader, voucher flow and products flow of the **Payback app** which is essentially an unique coalition loyalty program.

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.
- Implemented the CRUD functionalities of journals and their related policies as well as setup an authentication & authorisation system to avoid spams.
- Used SQLite3 for storing data with SQLAlchemy as the ORM and automated its deployment to Heroku using GitHub actions

## PROJECTS

**Mini Node Exporter**

- It is a type of monitoring stack and an exporter for hardware and OS metrics like average load, uptime, hostnames, etc that is 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, DigitalOcean, AWS, Grafana, Prometheus, Kyverno

**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

**Secretary, Film & Music Society**

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