

PRITISH SAMAL

B.Tech | NIT Rourkela

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🔗 CIPHERTron

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WORK EXPERIENCE

Software Development Intern

📅 May 2022 – Feb 2023

BharatPe

- Primarily worked in the **Web Chapter** and built reusable components using React & TypeScript in a test-driven development environment using **React Testing Library**.
- 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 **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.
- Implemented the CRUD functionalities of journals and their related policies as well as set up an authentication & authorization system.
- Used SQLite3 for storing data with SQLAlchemy as the ORM and automated its deployment to Heroku using GitHub actions

PROJECTS

NITRUTsav - 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.

Kafka Streamer - github.com/CIPHERTron/kafka-streamer

- Developed a web service using Python and Flask framework to handle product orders. POST Accepts a JSON payload representing a product order and publishes it to the Kafka topic & GET Retrieves all product orders from the PostgreSQL database and returns them as JSON.
- This project involves building a web service to handle product orders, integrating with Kafka for message consumption and topic routing based on cities, and implementing a consumer for email notifications based on order priority.

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, AWS, 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