

PRITISH SAMAL

B.Tech | NIT Rourkela

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WORK EXPERIENCE

MLH Spring'22 Prep Fellow

📅 Jan 2022 – Feb 2022

Major League Hacking - Fellowship

- A 3 week intensive program, collaborated with 15+ students from 4 different countries. Built out a portfolio of projects, experimented with new technologies (React, Jekyll, Rust, Python) during a short, impactful hackathon sprint.
- Lead the frontend team with delegating tasks, conducting daily stand-ups in order to build a highly performant & responsive website.

Software Development Intern

📅 Sep 2021 – Nov 2021

Cloud Native Computing Foundation - Kyverno

- As a Linux Foundation 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
- Drafted a structure of test.yaml to generate policies taking into consideration the existing test command workflow
- Then, worked on extending the test command to cover generate policies using Go, kubernetes fake go-client, Docker & Kubernetes. Also wrote unit tests and e2e tests for the same.

Opensource Developer

📅 Sep 2021 – Present

CNCF - Kubernetes

- I was a part of the structured logging migration Working Group where I migrated logs of kube-proxy to structured logging.
- I'm the maintainer of the **kubernetes.dev** site project where I worked on developing new features such as the events page, improving its SEO, triaging issues and PRs on a regular basis.
- Worked on some automation projects such as removal of inactive members using **devstats** and zoom cloud to YouTube automation using zapier and Golang

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 | 7.67/10

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