

Pritish Samal

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EDUCATION

National Institute of Technology, Rourkela

B.Tech in Ceramic Engineering | CGPA - 7.44

Rourkela, India

Aug. 2019 – May 2023

EXPERIENCE

Software Development Intern

May 2022 – Nov 2022

BharatPe | TypeScript, React.js, Firebase, APIs, Git

Gurgaon

- Primarily worked in the Web Chapter for developing and maintaining their core component libraries(Bharat UI & Utleo) which is actively used in most of their products.
- Closely worked with the Unity Small Finance Bank to build 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.
- Developed a video widget for the BharatPe merchant app using React, TypeScript, & Rephrase AI APIs which was used by over 100,000 merchants to boost their businesses.
- Also worked on the login flow, address feature, OTP verification, pre-loader, voucher flow, and products flow of the Payback app which is essentially a unique coalition loyalty program.

Software Development Intern

Sep. 2021 – Nov. 2021

CNCF - Kyverno | Golang, Docker, Kubernetes, Kyverno, Shell

Remote

- As an LFX mentee, I worked on extending the test command of Kyverno cli (a kubernetes native policy management engine) to cover generate policies and improving its test coverage from 92.4% to 96.2%.
- 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. Also wrote unit tests and e2e tests for the same.

Backend Developer Contractor

Jun. 2021 – Aug. 2021

Open Bioinformatics Fdn. | Flask, Poetry, Passport, SQLite3, Postman, Heroku

Remote

- During Google Summer of Code, 2021 I worked on developing a Journal Policy Tracker, a platform where one can find all the open-source journals, using python, poetry, & flask.
- Implemented the CRUD functionalities of journals and their related policies as well as setup a role based authentication & authorisation system using Passport.js to avoid spams. Used SQLite3 for storing data with SQLAlchemy as the ORM and automated its deployment to Heroku using GitHub actions.

PROJECTS

Kaagaz | TypeScript, Next.js, Emotion, Firebase, Vercel

OpenCode NITR

- Developed 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, & Emotion, integrated Google Analytics, and deployed it on Vercel.
- Used Firebase as a serverless backend for all the related CRUD operations & Firestore to store all the articles.
- Implemented continuous delivery using TravisCI to build a new version of the website upon every new release

POSITION OF RESPONSIBILITIES

- Mentored a project under the **Open Bioinformatics Foundation** during **Google Summer of Code'22**.
- Got selected as a **GitHub Campus Expert** of NIT Rourkela, a program by GitHub Education that strives to build diverse and inclusive spaces to learn skills and build projects together
- Got elected as the **Secretary** of the **Film & Music Society** to uplift the multi-cultural environment at NITR
- Technical Lead** at **HackNITR Hackathon**, one of the largest hackathons in the eastern India.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Golang, C++, Python

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

Frameworks: React, Redux, Next.js, Gatsby, Node.js, Express, Mongoose, MongoDB, Firebase, Flask, SQLite, SocketIO

Developer Tools: Git, GitHub, Webpack, Cloudflare, Heroku, Docker, Kubernetes, Prometheus, Grafana, Kyverno