PRITISH SAMAL

B.Tech | NIT Rourkela

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WORK EXPERIENCE

Software Engineer 1
📅 August 2023 – Present
Harness.io

- Engineered a business value dashboard for the Harness platform using **React**, **TypeScript**, and **Golang**. Monitored pipeline construction adherence and customer retention metrics to enhance stickiness.
- Worked on fixing various CFDs & regressions within Harness's Continuous Delivery module as a full-stack engineer, proficient in React/TypeScript for frontend development and **Java** for backend.
- Architected a versatile slack bot facilitating comprehensive customer insights retrieval, support ticket escalation, and SLA tracking directly from Slack using **Express.js**. Strategically phased out the Gainsight platform, resulting in significant cost savings.

Software Development Intern
📅 May 2022 – Feb 2023
BharatPe

- Worked primarily in the **Web Chapter** and created reusable components in React & TypeScript utilizing the **React Testing Library** in a test-driven development environment.
- 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

- Engaged in Google Summer of Code, 2021 to develop a Journal Policy Tracker utilizing **Flask**, Poetry, and SQLite3.
- Orchestrated the implementation of CRUD functionalities for journals and associated policies, alongside establishing an authentication and authorization system.
- Leveraged SQLite3 for data storage with SQLAlchemy as the ORM, and streamlined deployment of artifacts to GCP through automated workflows with 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.

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, Java, 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, GCP, 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