Dhruv Puri

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EDUCATION

Dayananda Sagar College of Engineering   Sept. 2027
B.E. Information Science   *CGPA: 9.57*

SKILLS

Languages: Java, Go, Typescript, Python
Frameworks and Libraries: Node.js, Express, Next.js
Tools: Linux, Git, GitHub Actions, Firebase, Docker, Kubernetes, GitOps

OPEN SOURCE CONTRIBUTIONS

Prometheus Operator (CNCF) | *GitHub Actions, CI/CD, actionlint*   Nov. 2024
- Enhanced CI/CD reliability by implementing a **GitHub Actions workflow linter** using **actionlint**, ensuring accurate and consistent YAML configurations.
- Resolved existing issues across multiple workflows, including end-to-end testing, publishing, and unit test pipelines, improving overall CI stability and maintainability.

KCL Programming Language (CNCF) | *Rust, Crypto*   Oct. 2024
- Added support for **filesha512** and **fileblake3** hashing functions by contributing to the crypto module of the KCL programming language, significantly enhancing its **cryptographic capabilities**.
- Implemented efficient file hashing operations with robust error handling, improving reliability and performance across diverse file types.

Keploy | *Python, PostgreSQL, Sanic*   Oct. 2024
- Built an **Employee Management System** using **Sanic** and **PostgreSQL** to demonstrate seamless integration with Keploy for automated testing and debugging.
- Implemented efficient database operations and RESTful APIs, ensuring scalability and maintainability.

Hashgraph-Solo | *TypeScript, TypeDoc, ESLint, Hugo*   Oct. 2024
- Upgraded the codebase to use **TypeDoc** in place of **JSDoc**, streamlining TypeScript integration.
- Configured **ESLint** with **eslint-plugin-tsdoc** to enforce TSDoc standards and improve code quality.
- Collaborated with maintainers to **resolve pipeline** issues and ensure seamless integration with **Hugo** builds.

PROJECTS

CodeBrewery | *Go, React, Docker, Kubernetes, GitHub Actions*   CodeBrewery
- Developed a cutting-edge online code editor allowing users to **write, compile, and run** code across multiple languages, leveraging a **microservices architecture** with **Go** for the backend.
- Employed **Docker** for **containerization** and **Kubernetes** for orchestration, ensuring seamless deployment and scalability.
- Set up **CI/CD** pipelines with **GitHub Actions** and **YAML** to automate testing and deployment, improving development efficiency.
- Implemented thorough testing for backend services in **Go** and frontend components in **Jest** to maintain code quality.
- Configured **Docker Compose** for local development, streamlining project setup. [Link]

KisanSetu | *Node.js, Express, WebSocket, Solidity, Docker, Firebase*   Kisansetu
- Developed a blockchain platform for secure contract farming agreements between farmers and buyers.
- Integrated **smart contracts** in **Solidity** for transparent and reliable transactions.
- Implemented features like **real-time price negotiation**, **direct communication**, and **automated payments**.
- Deployed the application with **Docker** and used **Firebase** for authentication and data management. [Link]

EXTRACURRICULAR

Winner: Clone Wars Competition held by CSE department, DSCE.

2nd Runner Up: Capture the Flag Competition hosted by Point Blank

2nd Runner Up: HackSprint, part of Ignite 2.0

2* at Codechef: Rating: 1414