

# Dhruv Puri

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## EDUCATION

**Dayananda Sagar College of Engineering**

*B.E. Information Science*

Sept. 2027

*CGPA: 9.57*

## SKILLS

**Languages:** Java, Go, Typescript, Python

**Frameworks and Libraries:** Node.js, Express, Next.js

**Tools:** Linux, Git, GitHub, Firebase, Docker, Kubernetes

## OPEN-SOURCE CONTRIBUTIONS

**KCL Lang** (CNCf) | *Rust, Crypto*

Oct. 2024

- Added support for **files****ha512** and **fileblake3** hashing functions 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.

**TipoHiZ** | *TypeScript, Husky, ESLint*

Oct. 2024

- Upgraded **ESLint** for compatibility, set up **Husky** for pre-commit checks, and managed dependencies to ensure project stability.

**VLearnUp E-Learning Hub** | *React, Python, Gemini*

Oct. 2024

- Contributed to an open-source learning platform during **Hacktoberfest 2024**, integrating an **AI chatbot** and developing frontend in **React** and backend logic in **Python** for user query handling.

## PROJECTS

**CodeBrewery** | *Go, React, Docker, Kubernetes, GitHub Actions*

 [CodeBrewery](#)


- Developed an online IDE 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. [\[Link\]](#)

**Pawsitivity** | *Node.js, Express, Firebase*

 [Pawsitivity](#)

- Developed a web platform for connecting users with adoptable animals, featuring **profile postings**, **AI chatbot** for recommendations, and **user authentication**.
- Implemented **photo uploads** for enhanced interaction and showcased listings on the site. [\[Link\]](#)

## EXTRACURRICULAR

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

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

**2nd Runner Up:** HackSprint, part of Ignite 2.0

**2\* at Codechef:** Rating: 1414