Dhruv Puri

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EDUCATION

Dayananda Sagar College of Engineering Sept. 2027
B.E. Information Science *CGPA: 9.58*

SKILLS

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

EXPERIENCE

Google Summer of Code 🔗 May 2025 – Present
Contributor at Prometheus-operator : Go, PrometheusAgent, DaemonSets, CEL *Remote · Raleigh, USA*

- Stabilizing and enhancing the **DaemonSet mode** for the **Prometheus Agent** in the Kubernetes **Prometheus Operator**.
- Implemented missing features like **CEL-based CRD validation** with runtime fallbacks, test cases for various DaemonSet configs.
- Investigating **EndpointSlice-based service discovery** for scalability, extending integration tests to multi-node **KIND** clusters, and contributing example manifests with documentation.
- Extended **AlertManagerConfig CRD** by adding **RocketChat notification receiver support.**

Hooman Digital April 2025 – Present
DevOps Engineer: Docker, Ollama, vLLM, LLMs, MLOps, Jinja *Intern · Remote*

- Architected and deployed **GPU-accelerated LLM infrastructure** using **vLLM** and **Docker**, enabling scalable inference for production workloads with optimized CUDA memory management.
- Developed **OpenAI-compatible API server** using **Ollama** and **FastAPI**, implementing GPU optimization with automatic CPU fallback mechanisms for enhanced reliability.
- Built **unified proxy server** providing developer-facing APIs and streamlined access to pre-deployed models, improving system integration and developer experience.

WeCofy December 2024 – April 2025
Full-Stack Developer: Next.js, Node.js, Express, MongoDB *Intern · Remote*

- Worked on **Juristo**, an **AI-powered legal platform**, building features to improve accessibility and scalability.
- Developed a robust **developer API service** with subscription-tier logic and a **rate-limiting** based on subscription levels, supporting seamless third-party integrations.
- Integrated **ZeptoMail** for transactional emails and **Firebase Cloud Messaging (FCM)** for real-time notifications, improving communication workflows.

PROJECTS

Lumine | *Go, TypeScript, AWS, GitHub Actions, Terraform, Prometheus* Lumine

- Developed an **interactive CLI tool** to automate DevOps workflows, allowing startups and developers to set up basic **CI/CD, infrastructure, and monitoring**.
- Integrated **AWS services (ECR, ECS, S3, EKS)** using **Terraform**, enabling automated infrastructure provisioning and deployment to Dockerhub.
- Implemented **CI/CD pipeline automation** with **GitHub Actions** and **Jenkins**, streamlining build, test, and deployment workflows.[Link]

CodeBrewery | *Golang, Docker, Kubernetes, GitHub Actions, TypeScript* CodeBrewery

- Developed a cutting-edge 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. [Link]

EXTRACURRICULAR

Winner, Grand prize: Placed **1st** among 1965 participants at NITK Hackverse 5.0 hackathon.

2nd Runner Up: Placed **3rd** amongst 1200 participants at Sandbox, the cybersecurity hackathon.

Selected: Among **40 students** nationwide for the **ACM Summer School** at **IIT Bombay**.

2nd Runner Up: HackSprint, part of Ignite 2.0