

ARPIT SRIVASTAVA

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📁 Portfolio

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EDUCATION

Dayananda Sagar College of Engineering
Information Science and Engineering - **8.8 CGPA**

OCT 2023 – PRESENT
Bangalore, India

SKILLS

Programming Languages: C, C++, GoLang, JavaScript, TypeScript

Libraries/Technologies: Nodejs, NextJs, Cobra, Gin, Fiber

Tools/Databases: Git, Firebase, MongoDB, Github, Docker, Kubernetes, CI/CD, AWS, GitOps, CloudFlare

OPEN SOURCE CONTRIBUTIONS

Meshery (CNCF) [↗](#)

Contributed to Meshery by improving its **CLI** using Go and the **Cobra library**. Gained hands-on experience with Meshery's architecture and improved the command line interface by implementing structured commands, better flag handling, and improving overall usability

Kubestellar (CNCF) [↗](#)

Made **9+ impactful contributions** across Kubestellar (CNCF), enhancing **Kubernetes onboarding**, improving **Helm chart configurations**, and optimizing the **UI/UX** with smooth transitions, theme toggling, and dynamic zoom. Added **unit tests** for backend reliability and introduced **context-aware features** in KubeFlex for better multi-cluster management.

PROJECTS

DriftGuard | *Kubernetes API, Prometheus, GitOps, Terraform, AWS SDK, GitHub Actions, AI/ML, Docker* [GitHub](#)

- Built a production-grade **drift detection engine in Go** for Kubernetes, comparing live cluster state with GitOps manifests and reducing config-related outages by **70%**, saving an estimated **50K/month** in cloud debugging and downtime costs.
- Integrated **Prometheus monitoring**, **MCP-based AI drift scoring**, and Slack/webhook alerts, used **GitHub Actions** to automate CI pipelines for drift verification and environment sync checks.
- Implemented **InfraOps drift detection** by integrating **Terraform .tfstate diffing** and **AWS SDK auditing**, enabling early detection of infrastructure misalignment and supporting future auto-remediation.

Feedback System | *GoLang, CloudFlare, Docker, Kubernetes, Terraform, GitHub Actions* [Infrastructure](#) | [GitHub](#)

- Designed a **scalable feedback collection platform** using Go for backend APIs and MongoDB for persistent data storage, optimized for **modular service design**.
- Launched application using **Docker** and orchestrated deployment on Kubernetes, resulting in a **89%** uptime and zero-downtime deployments, and enabling seamless scaling to handle peak loads.
- Implemented **CI/CD pipelines** using GitHub Actions and YAML, adopted **GitOps workflows** using Terraform to manage infrastructure and deployed to AWS via **Amazon ECR & ECS**.

Case Canopy | *NextJS, GoLang, AWS S3, MongoDB, RAG, LangChain, Docker*

[GitHub](#) | [Demo](#)

- Pioneered an **AI-driven legal platform** featuring a cross-jurisdictional precedent discovery engine, enabling solo legal practitioners to achieve **3x faster case research** and improve win rates.
- Developed the backend using **Go (Gin framework)** to manage users, admins, files, and documents, and implemented the frontend with **NextJS** for seamless user interaction and legal research.

ACHIEVEMENTS

- Keploy:** Selected for the **Keploy API Fellowship Program**. Out of **18,500** applicants, we were asked to contribute to Open Source and learn more about API and software testing.
- Winner, FantomCode'25:** Won a 24-hour national hackathon among **400** participants at RVITM, Bangalore.
- Top 10 Finalist IITM:** Ranked as the Top 10 among **1200** participants at the Global Hyperloop Conference 2024, IIT Madras.
- Codeforces: Pupil** at Codeforces with a maximum rating of **1244**.
- 3* at CodeChef:** Achieved the highest rating of **1724** with Global Rank: **181** which is **0.62%** of the total participants