

# ARPIT SRIVASTAVA

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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, CloudeFlare

## EXPERIENCE

### Krati Tech

**July 2025 – Present**

*Full Stack Developer: Angular.js, Node.js, MySQL, GitHub Actions*

*Remote · India*

- Building and maintaining full stack applications using **Angular.js**, **Node.js (Express)**, and **MySQL**, while ensuring seamless user experience and backend performance.
- Owning end-to-end DevOps lifecycle including **CI/CD automation with GitHub Actions**, cloud deployment, and production monitoring for high system reliability.

## 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**.

## ACHIEVEMENTS

- **Keptoy:** Selected for the **Keptoy 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