

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, CloudeFlare

EXPERIENCE

Krati Tech

July 2025 – Present

Devops Engineer: Angular.js, Golang, MySQL, GitHub Actions, Testing

Remote · India

- Building and maintaining full stack applications using **Angular.js**, **Go (Gin)**, 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, unit and integration testing (**go/testify**) 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 **15+ 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-cli** 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.

NotifyOps | *Docker, Kubernetes, Prometheus, Grafana, Slack API, GitHub Webhooks, Terraform, GitHub Actions* [GitHub](#)

- Built an AI-powered workflow in **Go** to help teams stay informed by summarizing GitHub issues/ pull request and sending them as focused, actionable notifications to Slack, making it easier for everyone to respond quickly.
- Ensured the system's health, clarity, and scalability by integrating **Prometheus and Grafana** for monitoring, and handled deployment using containerization **Docker** together with automated **Kubernetes** set-ups.
- Developed secure handling of real-time **GitHub webhooks with interactive Slack features**, allowed easy tuning of **AI analysis profiles**, and wrote backend **unit tests covering core business** logic to maintain code reliability.

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