

# Shreyash Srivastava

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## EDUCATION

### Dayananda Sagar College of Engineering

Bachelor of Engineering in Computer Science; GPA: 8.75

Bangalore, India

July 2024 – Present

## SKILLS SUMMARY

**Languages:** Python, Golang, TypeScript

**Technologies/Frameworks:** Gin, Next.js, Flask, Django

**Databases/Tools:** Git, CI/CD, PostgreSQL, MongoDB, Docker, Monitoring

## EXPERIENCE

### Seqlo

Full-Stack Developer: React, Go (Gin), Firebase, Stripe

Remote

Aug 2025 – Present

- Integrated Stripe for secure payments and implemented a token-based credit system to control user access and resource consumption.
- Migrated a legacy backend from Express.js to Go (Gin) to enhance performance, and refactored a monolithic codebase into modular components to improve maintainability.
- Built a community administration interface enabling admins to monitor user activity and manage platform content.

### Ignito Co.

Full-Stack Developer: Go (Gin), Next.js, MongoDB, Supabase

Remote

July 2025 – Aug 2025

- Built an inventory management system using Next.js and Supabase to ingest and process large Excel datasets, optimizing the pipeline to reduce processing time from 7 minutes to 16 seconds.
- Engineered a full-stack application using Go (Gin) and MongoDB to manage the end-to-end lifecycle of purchase orders, bills, and inventory tracking via scalable RESTful APIs.

## OPEN SOURCE CONTRIBUTIONS & PROJECTS

### Kharagpur Winter of Code – KWoC Backend

 KWoC

Backend & Observability Contributor

- Added a production-grade observability stack using Prometheus, Grafana, Node Exporter, and Alertmanager.
- Implemented automated alerts for server downtime and resource threshold breaches with Slack-based notifications.

### OpenTelemetry Operator

 OpenTel

Open Source Contributor

- Implemented automated Markdown link validation using Linkspector with GitHub Actions, running on pull requests and a weekly cron schedule to prevent documentation regressions.
- Deprecated the volumeSizeLimit field across all language-specific instrumentations and added a validating webhook to emit warnings for deprecated usage.

### Penguin

 Penguin

Authenticated AI art generation and provenance framework

- Built a secure pipeline for AI-generated content using cryptographic signing, steganographic watermarking, and immutable blockchain provenance.
- Stored tamper-proof asset manifests on Ethereum Sepolia smart contracts to enable verifiable ownership and creation history.
- Integrated IPFS via Pinata for decentralized, content-addressed asset storage.
- Enabled deterministic AI art generation with embedded creator identity using Ed25519 and BLAKE3/SHA-256.
- Developed a browser extension to capture prompts from web interfaces and certify assets at creation time.

## ACHIEVEMENTS

- Recipient of the LiFT Scholarship awarded by The Linux Foundation - June 2025
- Won Coding Relay held at Dayananda Sagar College of Engineering – March 2025
- Ranked Top 9 out of 63 teams in HackOasis V2 Hackathon – November 2024

## VOLUNTEER EXPERIENCE

### Member, PointBlank

A community focused on developing industry-ready engineers and well-rounded individuals.

Bangalore, India

Dec 2024 – Present

- Maintained and enhanced the PointBlank, Zenith and Careers Website.
- Integrated Swagger documentation, resolved Cloudinary issues, and improved CI reliability by fixing build/labeller failures and automating database backups via cron job.