

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

Seeqlo

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**.