

GAGAN S

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SUMMARY

Full Stack Developer with experience in Django, Django REST Framework, MERN Stack, and AWS, focused on building scalable, high-performance distributed applications. Strong foundation in backend systems, API design, data modeling, and cloud-based storage and delivery. Seeking to contribute to a high-impact engineering team while solving complex problems at scale.

EDUCATION

B.E. Information Science and Engineering, Dayanand Sagar College of Engineering

2024

CGPA: 9.70

SKILLS

Languages & Database: Python, JavaScript, TypeScript, GoLang, Java, Postgres, Redis, MongoDB

Technologies/Frameworks: Django, ReactJS, NodeJS, NextJS, Flask, Gin, Celery, RabbitMQ,

FFmpeg, REST APIs, Microservices, LangChain, TensorFlow, RAG, AWS(EC2, Lambda, S3, Elemental, DynamoDB), Docker

EXPERIENCE

Full Stack Engineer

November 2024 – Present

Indee

Bangalore

- Integrated **Recurly-based subscription billing** for the SaaS platform, supporting multiple plans, proration, invoicing, and webhook-driven payment validation, contributing to an **8% increase in revenue**.
- Re-architected **video transcoding pipelines** using **AWS Elemental and Zencoder**, adding fault-tolerant retries and reducing end-to-end processing time by **10%**.
- Implemented scheduled cleanup jobs to **automatically delete original video assets** after a retention period, reducing **S3 storage usage by 30%** across **4.5M+ videos**.
- Owned and delivered an **end-to-end product** on the core platform, building APIs, frontend features, and integrating **Strapi CMS** for content management.

Full Stack Engineering Intern

July 2024 – October 2024

Indee

Bangalore

- Developed an **AWS Lambda-based event processor** to aggregate viewer engagement data, leveraging **Redis caching** to support analytics and enable seamless resume playback functionality.
- Migrated REST APIs from exposing internal database IDs to **secure, auto-generated public keys**, addressing security vulnerabilities and contributing to **SOC 2 compliance**.
- Designed and integrated **Stripe payment workflows**, including webhook-based event handling to validate successful transactions and gracefully handle payment failures.
- Built internal automation scripts to **scrape and aggregate external data** for operations and sales teams, reducing manual effort and turnaround time.

PROJECTS

Pratyaksh [Github](#) | [Website](#)

- Pratyaksh uses Geographic Information Systems and Digital Image Processing for real-time infrastructure progress tracking.
- Developed a user-friendly mobile application to track daily infrastructure progress efficiently.
- Technologies:** React Native, ReactJS, NodeJS, Flask, FastAPI

LearnZ - E-Learning platform [Github](#) | [Website](#)

- LearnZ is an e-learning platform with quizzes, syllabus management, and online lecture delivery.
- Implemented an NLP model for automatic video recommendations based on uploaded syllabus content.
- Technologies:** HTML5, CSS3, JS, Python, SQLite3, Docker

LEADERSHIP & ACHIEVEMENTS

- Winner, Smart India Hackathon 2023**, built a real-time infrastructure monitoring solution.
- 19th global rank** at AIAA Design Build Fly 2022 (Technical Design Report) as a member of **Team Arcis**.
- Contributor to the **PyCon India 2025 website team**, supporting a conference with 1500+ attendees.
- Lead, Genesis Student Forum**: Organized two 24-hour **Hackman** hackathons and mentored one.
- Member of the **Paradox WebOps team**, developed the event website for IIT Madras BS Degree Program.