

Harsh Gupta

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SUMMARY

Full Stack Developer and Software Engineer seeking **SDE Intern** or **Backend Engineer** roles. Passionate about problem solving, system design, and **data structures & algorithms**, with hands-on experience building production-grade software systems using **Java, Django, and the MERN stack**, deployed on cloud infrastructure serving real users.

EDUCATION

Thapar Institute of Engineering & Technology

B.Tech in Electronics and Communication Engineering; GPA: 8.53

Punjab, India

Aug 2023 – July 2027

Delhi Public School Agra

AISCE - 90%, AISSCE - 91.8%

Agra, India

2009 – 2023

EXPERIENCE

FullStack Development Intern | Django, Go, Docker, PostgreSQL, Redis, GCP

Patiala, Punjab

Hosmas

Dec 2025 – Feb 2026

- Delivered a **15 Lakhs funded, production-grade** hostel services platform, built on **RESTful microservices** with Django, PostgreSQL, and Redis caching to reduce query latency under concurrent load.
- Containerized with **Docker** and deployed on **GCP** with CI/CD pipelines, ensuring high availability in production.

Backend Development Intern | Django, REST API, PostgreSQL, JWT

Patiala, Punjab

Glyptika Studios

Apr 2025 – Sept 2025

- Engineered a **Django REST** backend with **JWT** and PostgreSQL for a **Meta Quest VR** app, achieving **180ms** response time and **5+ concurrent sessions**.
- Optimized PostgreSQL pipelines and **API contracts** with Unreal Engine devs, reducing fetch time by **35%**.

PROJECT

Job Application System | Typescript, MongoDB, Node, Express | Link

June 2025 - Aug 2025

- Architected a scalable placement platform with ATS-based resume evaluation, **automated on/off-campus outreach**, and unified candidate profile aggregation.
- Drove a **40% reduction** in manual placement operations by automating resume-to-email workflows, generating personalized cold emails and centralizing application tracking.

Thapar - Society Permission Portal | Nextjs13, Django, Material UI, Docker | Link

Dec 2025 - Jan 2026

- Optimized frontend with intelligent caching and dynamic multi-role system, boosting load speed & engagement while reducing student-clubs finance paperwork by **96%**, serving **4,000+** users with **99.9%** uptime.

ALM Chatbot | Python, Multimodal AI, Inference Pipelines, Docker | Link

Nov 2025 - Dec 2025

- Built an Audio Language Model for **DRDO** enabling emotion-aware inference within **10 seconds** over layered speech and non-speech audio.
- Earned **SIH 2025 Runner-Up** recognition by delivering a scalable ALM solution for defense audio analysis.

SKILLS

Languages: Java, JavaScript, Typescript, Python, C++, SQL, Go

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Django, REST APIs

Databases: PostgreSQL, MongoDB, MySQL, Redis

DevOps & Tools: Docker, Git, GitHub, Linux, GCP, Postman, Vercel, Render

CS Fundamentals: Data Structures & Algorithms (400+ solved), System Design, OOP, DBMS, OS

ACHIEVEMENTS

- National Runner-Up, Smart India Hackathon 2025** — awarded by the Government of India
- University Scholarship** — merit-based scholarship worth **INR 1,50,900** based on JEE score.
- 500+ problems** solved across all platforms (LeetCode, CodeChef, Codeforces, GFG)

POSITION OF RESPONSIBILITY

Google Developer Groups | DSA & Web Development Lead | Link

July 2024 - Present

- Demonstrated strong leadership and mentoring skills by guiding **300+** students in the field of Web Development.
- Spearheaded **Quyl**, a Thapar-specific AI study assistant trained on course data across **7 branches** and **6 semesters**, featuring an integrated file manager and conversational interface for document-based Q&A.