Harsh Gupta

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EDUCATION

Thapar Institute of Engineering & Technology *Punjab, India*
Bachelor of Technology in Electronics and Communication Engineering; GPA: 8.53 *Aug 2023 – July 2027*

Delhi Public School Agra *Agra, India*
AISCE - 90%, AISSCE - 91.8% *2009 – 2023*

EXPERIENCE

Glyptika Studios | Django, Python, REST API *Patiala, Punjab*
Backend Development Intern *Apr 2025 – Sept 2025*
- Developed a **scalable Django backend** with JWT auth and PostgreSQL, integrating AI-driven layout recommendations and real-time APIs for a Meta Quest VR system with Unreal Engine.

Hosmas | Django, REST APIs, Docker, PostgreSQL, Redis, GCP *Patiala, Punjab*
FullStack Development Intern *Dec 2025 – Present*
- Delivered a **funded, production-grade** hostel services platform for laundry, mess, and campus operations, supporting real-world student workflows via scalable, API-driven services.

PROJECT

Job Application System | MongoDB, Node, Express, React, n8n Workflow | 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.

NIRMAN - ALM Chatbot | Python, Mellow, Whisper, HuggingFace, Docker | Link *Nov 2025 - Dec 2025*
- Built an Audio Language Model for **DRDO** enabling emotion-aware inference in within **10s** over layered speech and non-speech audio.
- Earned **SIH 2025 Runner-Up** recognition by delivering a scalable ALM solution for defense audio analysis.

Thapar - Conclave Website | MongoDB, Node, Express, React *Dec 2025 - Present*
- Created an **academic–industry events platform** for hosting conferences, expert talks, and research paper showcases, facilitating collaboration between professionals, students, and faculty.

PROGRAMMING SKILLS

Languages: Java (DSA), JavaScript, Python, C++, SQL
Technologies: React.js, Tailwind CSS, Redux, Node.js, Express.js, Django, Microservices, MongoDB, MySQL, REST APIs, JWT, WebSockets, OAuth 2.0, n8n, Generative AI
Tools: GitHub, Docker, Linux, Google Cloud Platform (GCP), VS Code, Postman, Figma, MongoDB Atlas, Vercel, Render, Replit

ACHIEVEMENTS

University Scholarship: Based on my JEE score, I was given a scholarship worth **INR 1,50,900**
Certifications: SIH'25 Runner-up, SIH'24 (Top 60), Data Structures and Algorithms, The FullStack Bootcamp 2024, Django 5, Generative AI, ,Python Coder, Salesforce AI agents, IIT Guwahati Summer Analytics

POSITION OF RESPONSIBILITY

Google Developer Student Clubs| DSA & Web Development Lead | Link *July 2024 - Present*
IETE Students' Forum, TIET| Web Development Mentor | Link *July 2024 - July 2025*