

Harsh Gupta

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EDUCATION

Thapar Institute of Engineering & Technology

Bachelor of Technology 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

Glyptika Studios | Django, Python, RESTful API

Backend Development Intern (Stipend Based)

Patiala, Punjab

Apr 2025 – Present

- Developed a secure, scalable Django backend for a VR interior design system on Meta Quest with JWT auth, session handling, and PostgreSQL management.
- Integrated AI/ML pipelines for floor plan analysis and furniture placement, managing model I/O and Gemini-based layout recommendations.
- Built real-time APIs to sync with the Unreal Engine frontend, delivering a VR-as-a-Service platform for collaborative 3D design and walkthroughs.

PROJECT

Job Application System | MongoDB, Node, Express, React, APIs, n8n | Link

June 2025 - July 2025

- Designed and implemented UniFlow Automation using MERN, n8n, and OpenAI for resume feedback and automated personalized outreach via Google Sheets.
- Reduced manual effort by 80% by generating custom cold emails and cover letters with resume integration, improving candidate targeting efficiency.

RAG GenAI Bot | Gemini API, Node.js, Discord.js, Python, Embeddings | Link

June 2025 - July 2025

- Developed a GenAI chatbot that uses chunk-based embeddings for custom data retrieval, accepts user-provided input, and intelligently falls back to Gemini responses when no match is found.
- Integrated real-time message flow via Discord API and enabled file-based and dynamic user uploads to personalize bot memory per session.

JobHive - Job Portal | MongoDB, Node, Express, React, Google OAuth 2.0 | Link

Oct 2024 - Nov 2024

- Deployed job portal with secure authentication, Configured real-time job postings, application tracking, and automated notifications, streamlining hiring by 30%.

PROGRAMMING SKILLS

Languages: Java (DSA), JavaScript, Python, C++, SQL

Technologies: React.js, Tailwind CSS, Redux, Node.js, Express.js, Django, MongoDB, MySQL, REST APIs, JWT, WebSockets, OAuth 2.0, Gemini API, OpenAI API, n8n, Unreal Engine (backend integration)

Tools: Git, GitHub, VS Code, Postman, Figma, MongoDB Atlas, Vercel, Render, Replit, Cursor

ACHIEVEMENTS

University Scholarship: Based on my JEE score, I was given a scholarship worth 1,50,900 INR

Certifications: Data Structures and Algorithms, The FullStack Bootcamp 2024, Django 5, Generative AI, GenAI fundamentals, Python Coder, SIH'24 (Top 60 in College)

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