

Harsh Gupta

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CodeChef: https://www.codechef.com/users/who_me001

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

- Engineered a secure, scalable Django backend with JWT authentication, session handling, and PostgreSQL, powering a VR interior design system for Meta Quest.
- Integrated AI/ML pipelines and Gemini-based layout recommendations, with real-time APIs syncing seamlessly with an Unreal Engine frontend 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 | Ollama3, Langchain, ChromaDB, Python, Embeddings | Link

July 2025 - August 2025

- Engineered a robust RAG retrieval pipeline using Ollama embeddings and ChromaDB vector storage with context-strict RetrievalQA and fallback handling, and developed a CLI-based interactive chat tool for reliable use with efficiency 35%.

Web3 Lending Dapp | Ether, Solidity, Hardhat, React, MetaMask | Link

June 2025 - July 2025

- Built a decentralized lending system enabling users to request, fund, and manage peer-to-peer loans with wallet-based authentication.
- Designed a seamless borrowing experience with real-time loan tracking, automated repayments, and transparent transaction records.

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

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), 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