

Shreyansh Giri

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EDUCATION

Indian Institute of Information Technology, Lucknow (IIITL)

Lucknow, India

B.Tech in Computer Science; CGPA: 9.9/10

Aug 2025 – Present

- Relevant Coursework: Data Structures, Database Management Systems, Web Development, Object-Oriented Programming

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript (ES6+), SQL

Web Technologies: React.js, Node.js, Spring Boot, FastAPI, Bootstrap, Tailwind CSS, HTML5, CSS3

Databases: PostgreSQL, MySQL

Tools & Platforms: Git, GitHub, VS Code, Azure AI Services, Vercel, Render

Specializations: Full Stack Development, RESTful APIs, Data Visualization, UI/UX Design

Soft Skills: Leadership, Public Speaking, Event Management

PROJECTS

Vector Visionary | *React 19, FastAPI, SQLAlchemy, Groq/Gemini LLM APIs* | [GitHub](#) | [Live Demo](#)

- Architected and deployed a full-stack GenAI learning platform that converts any topic and time budget into a personalized, dependency-aware roadmap graph, covering the full flow from login to AI-guided mastery
- Built a fault-tolerant multi-LLM pipeline (Groq Llama 3.3 primary, Gemini 2.0 Flash fallback) behind a FastAPI backend exposing 9+ REST endpoints for roadmap generation, AI notes, adaptive quizzes, and tutor chat
- Designed a gamified progression system (XP, levels, streaks) backed by SQLAlchemy ORM, paired with an interactive node-based graph UI using React 19, Framer Motion, and @xyflow/react
- Deployed frontend on Vercel and backend on Render with Swagger-documented APIs; built end-to-end in 84 hours for a hackathon submission

InterviewMesh | *React, TypeScript, Node.js, Socket.io, PostgreSQL, Flask* | [GitHub](#)

- Built a peer-to-peer mock interview platform at HackOFiesta 7.0 (IIIT Lucknow, ML/AI Track) matching students for live, collaborative coding interviews
- Designed a weighted peer-matching algorithm combining availability overlap, skill gap, complementary skills, peer rating, and ELO score to surface the best-fit interview partners
- Implemented a real-time collaborative code editor (Monaco + Socket.io) with WebRTC video/audio, AI-generated interview questions via the Gemini API, and a fallback question bank
- Engineered real-time integrity monitoring using a weighted anomaly score (paste detection, tab-switch tracking, solve-time comparison) to flag suspicious activity during sessions
- Trained a scikit-learn Decision Tree model to generate personalized learning-roadmap labels from quiz score, response time, and attempt count

MedSetu | *React.js, Spring Boot, Tailwind CSS* | [Frontend](#) | [Backend](#)

- Developed a full-stack healthcare appointment booking platform with separate doctor and patient portals to streamline consultation scheduling
- Built a responsive React.js frontend with dynamic routing and React Hooks-based state management to handle multi-step appointment scheduling flows
- Developed a Spring Boot backend with an integrated email notification system for booking confirmations and updates
- Optimized front-end performance and achieved full mobile responsiveness using Tailwind CSS

ACHIEVEMENTS

- 1st Rank at GDG DevSphere, outperforming participants across Web Development, Machine Learning, and FOSS challenge tracks
- Rank 3 in Blindforces, a competitive programming contest organized by Axios, IIIT Lucknow
- Rank 3 at FOSS Weekend, organized by IIIT Lucknow, for contributions to the open-source ecosystem
- Awarded Best Reviewer at FOSSology for consistently delivering high-quality pull request reviews
- Solved 750+ competitive programming and DSA problems across multiple online judges
- 2-Star Coder on CodeChef (max rating 1566) | Pupil on Codeforces (max rating 1322)
- Global Rank 416 / 550 / 556 / 580 in CodeChef Starters 244 / 225 / 235 / 245 respectively; Rank 1588 in Codeforces Round 1096 (Div. 3)
- District Topper: 99.2% in CBSE Class XII and 99.4% in CBSE Class X Board Examinations