

Vaidik Saxena

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Portfolio | GitHub | LinkedIn

EDUCATION

- Indian Institute of Information Technology, Lucknow Lucknow, India
• *B.Tech in Computer Science; CGPA: 8.45/10* Aug 2024 – Present

ACHIEVEMENTS

- **Hackofiesta 6.1 Winner** – National Web3 Hackathon (Apr 2025)
- **ICPC 2025 Prelims – AIR 167** Secured All India Rank 167 in ICPC Preliminary Round among 10,000+ participants nationwide.
- **CodeChef 3 Star** – Peak Rating **1627** — Profile
- **Codeforces Pupil** – Peak Rating **1350** — Profile
- **Hacktoberfest 2025 Contributor** – 6 Merged PRs in Open Source
- **AIR 45 – CodeRush, IIITM Gwalior** Ranked 45th among 1000+ participants in a national-level competitive programming contest.
- **INSPIRE Scholar – Department of Science and Technology (Govt. of India)** Selected for national scholarship recognizing top 1% performance in Science stream and academic excellence at the senior secondary level.

TECHNICAL PROJECTS

- **AI Portfolio Manager** | *Next.js, FastAPI, Gemini API, LangChain, WebSocket*: **Developing** an AI-driven real-time stock analysis platform integrating LLM-based portfolio insights and TradingView visualization.
 - LLM Integration: Executed Gemini API integration with **LangChain** to generate intelligent financial insights and portfolio summaries.
 - Backend Engineering: Designed scalable APIs using **FastAPI** and real-time communication via **WebSockets**.
 - Frontend Optimization: Built responsive dashboards using **Next.js** and Tailwind .
- **CodeView** – Collaborative Coding Interview Platform | *React.js, Node.js, Socket.io, WebRTC*: **Built** a real-time coding interview platform enabling synchronized code editing and live video communication.
 - Real-Time Collaboration: Engineered low-latency synchronized editing using **Socket.io** and scalable backend APIs with **Node.js**.
 - Live Video Integration: Integrated peer-to-peer video/audio communication using **WebRTC**, improving remote interview experience.
- **SmartSettle** – Real-Time Expense Manager | *React.js, Node.js, MongoDB, WebSocket*: **Engineered** a collaborative expense tracking platform reducing manual reconciliation time by **60%**.
 - Real-Time Sync: Applied **WebSocket**-based architecture for instant multi-user synchronization.
 - Backend APIs: Built RESTful APIs with Node.js and optimized MongoDB queries for faster retrieval.

EXPERIENCE

- **Axios – Technical Club, IIIT Lucknow** Lucknow, India
• *Web Wing Member* Aug 2025 – Present
 - Internal Tools: Built automation tools improving workflow efficiency by **20%**.
 - Performance Optimization: Reduced frontend load time by **30%** through API optimization and lazy loading.
- **Google Developer Groups (GDG), IIIT Lucknow** Lucknow, India
• *Web Wing Member* Aug 2025 – Present
 - Hackathon Platforms: Developed microsites and registration systems for 3+ technical events.
 - Community Impact: Supported workshops impacting **100+ students**.

TECHNICAL SKILLS

- **Languages:** C++, Java, Python, JavaScript, TypeScript, SQL, Go
- **Web Development:** React.js, Next.js, Node.js, Express.js, fastapi, REST APIs, WebSocket, WebRTC
- **AI/ML:** LangChain, LLMs, TensorFlow, PyTorch, Scikit-learn
- **Blockchain:** Solidity, Hardhat, Ethers.js, Ethereum
- **Tools:** Docker, Git, Firebase, MySQL, Postman, MLflow