

Naman Khandelwal

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EDUCATION

- **Indian Institute of Information Technology** Lucknow, Uttar Pradesh, India
Bachelor of Technology - Computer Science, GPA: 8.90 August 2024 – May 2028

PROJECTS

- **Trequila – AI Travel Itinerary Planner** *GitHub*
Tech Stack: Next.js, Go, NATS JetStream, PostgreSQL, Redis, Heroku, Gemini API
- Developed a **full-stack AI travel planner** that dynamically generates **end-to-end trip itineraries** with real-time weather, curated places, and images via a single prompt.
- Architected an **Event-Driven backend** in Go using NATS JetStream to orchestrate **parallel micro-workers**, reducing concurrent processing bottlenecks and overall response time by **60%**.
- Engineered a streaming pipeline using **Server-Sent Events (SSE)** to deliver partial updates (images, places, itinerary) instantly to the Next.js frontend, ensuring a responsive user experience.
- **SkillsSwap – Peer-to-Peer Skill Exchange Platform** *GitHub*
Tech Stack: Next.js, Go (Gin), PostgreSQL, TypeScript, WebSocket, Cryptography, LiveKit, Docker
- Built a **scalable P2P** skill exchange platform with real-time **E2EE** chat and WebRTC video calling.
- Implemented E2EE messaging using **X25519** key exchange and **XSalsa20-Poly1305** encryption (TweetNaCl)
- Engineered a **WebSocket Hub** in Go with optimistic message updates, typing indicators, multi-tab support, and LiveKit-powered WebRTC video calling between matched users.

EXPERIENCE

- **Summer of Bitcoin Intern at Formstr** *May 2026 – Present*
- Building **Formstr Super App**, a unified platform to book calendar events, make private notes, file management, create forms, view responses and analytics with AI as an interface
- Contributed 35+ PRs across core repositories. *My Contributions*

ACHIEVEMENTS

- Placed **137th** in **ICPC India Prelims 2025**, showcasing strong team-based algorithmic skills. *Certificate*
- Achieved **534th** globally in **Meta Hacker Cup 2025 Round 1** and **1434th** in Round 2. *Certificate*
- Secured a global rank of **146** in **Google CTF**.
- Qualified in **Finale** of Odoo Hackathon out of **19000+** teams.
- Impactful contributions in major open-source ecosystems, including **tauri**, **fedimint**, and **Checkmate**.
- **Specialist** on CodeForces with highest rating of **1526**, **4-star** on CodeChef with highest rating of **1813**.
- Achieved **Rank 89** in CodeChef Starters 176, **Rank 104** in Starters 198, **Rank 103** in Starters 225.
- Achieved **Rank 1782** in Codeforces Round 1009 (Div3), **Rank 1912** in Educational Round 186 (Div2).

PROGRAMMING SKILLS

- **Languages:** JavaScript, TypeScript, Go, C, C++, Bash, Java, Python
- **Frameworks and Libraries:** React, Next.js, Node, Express, Gin, TailwindCSS
- **DevOps Tools:** Git, GitHub, Linux, Docker, Vercel, Heroku, Cloudflare
- **Databases and ORMs:** MySQL, PostgreSQL, MongoDB, Prisma

POSITIONS OF RESPONSIBILITY

- Member at **Web Development Wing - Axios**, Technical Society of IIIT Lucknow
- Member at **FOSS Wing – Axios**, Technical Society of IIIT Lucknow