

Anirudh Singh Rajora

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EDUCATION

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- **Indian Institute of Information Technology** Lucknow, Uttar Pradesh, India
Bachelor of Technology - Information Technology (Courses), GPA: 9.14 (Transcript) August 2024 – May 2028

PROJECTS

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- **DFMS - Distributed File Management System** *GitHub*
Tech Stack: Go, gRPC, PostgreSQL, Redis, Kafka, MinIO, Docker, OpenTelemetry
- **Production Microservices:** Architected a highly scalable file storage platform utilizing gRPC for low-latency inter-service communication and Redis for multi-tiered rate limiting.
- **Optimized Storage Engine:** Engineered an advanced storage algorithm leveraging Content-Defined Chunking (CDC) and SHA-256 deduplication to drastically minimize redundant data.
- **Fault-Tolerant Replication:** Designed a resilient, event-driven replication manager using Kafka, a consistent hashing ring, and active health probing for automated node failover.
 - **SkillSwap - A platform where you can swap your skills** *GitHub*
Tech Stack: Next.js, Go (Gin), PostgreSQL, TypeScript, WebSocket, LiveKit, Docker
- **Scalable Full-Stack Architecture:** Architected a scalable peer-to-peer skill exchange platform where users list skills they offer and want, discover matches, manage swap requests, and communicate in real-time with E2EE.
- **Secure Data Layer:** Engineered a robust PostgreSQL backend with GORM and JWT authentication to ensure secure user management and data integrity. Implemented E2EE messaging using X25519 key exchange and XSalsa20-Poly1305 encryption (TweetNaCl)
- **Websocket:** Engineered a WebSocket Hub in Go with optimistic message updates, typing indicators, multi-tab support, and LiveKit-powered WebRTC video calling between matched users

ACHIEVEMENTS

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- **Expert** at CodeForces (Max 1625), 4* at CodeChef (Max 1824) and **Knight** on Leetcode
 - Secured **first place** in round 1 of **Flipkart Gridlock 2.0** against 35k+ registered participants.
 - Secured Global rank **146** in **Google CTF**.
 - Made it to **Top 300 teams** out of **21,000 teams** in HackOn Amazon 6.0.
 - Achieved **Global Rank 123** in CodeChef Starters 202.
 - Secured Solo Rank **#2** in Trivarna 2.0 CTF.
 - Achieved All India Rank (AIR) **21** out of 600+ teams at the ISEA-ISAP CTF 2026, hosted by IIT Madras.
 - Secured global rank of **28** in **Incognito 6.0** CTF with 300+ teams participating globally.
 - Qualified in Finale of Odoo Hackathon out of **19000+** teams.
 - Won the **FOSS Weekend** an event where we had to contribute to numerous repositories by scoring over 500+ points with a margin of 75+ points.
 - Won **DevMatrix** Hackathon organised for students of IIIT Lucknow by Axios
 - **1000+** Algorithmic problems solved demonstrating strong problem-solving skills.

PROGRAMMING SKILLS

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- **Languages:** C, C++, JavaScript, TypeScript, Bash, Java, Go
 - **Frameworks:** React, Next.js, Node, Express, Go-Gin
 - **DevOps Tools:** Docker, Linux, Git, GitHub, CI/CD, Vercel, Heroku, Cloudflare
 - **Databases:** MySQL, PostgreSQL, MongoDB, NeonDB

POSITIONS OF RESPONSIBILITY

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- **Overall Coordinator & Senior Member, FOSS & InfoSec Wings** *Aug 2026 – Present*
Axios, Technical Society of IIIT Lucknow
 - Conducted **25+ hands-on sessions** on FOSS and Information Security, covering Linux, Git, Docker, DevOps, and GDB.
 - Led **10+ technical initiatives**, including Equinox FOSS Weekend, self-hosting events, CTFs, and open-source initiatives.
 - Directed **Incognito 7.0**, a global CTF, managing infrastructure deployment and cryptography/reverse-engineering challenge curation.