

Saatvik Sharma

✉ saatvik333sharma@gmail.com 📞 +91 7300421968 📍 Gurugram, Haryana
🌐 saatvik333.vercel.app 🌐 linkedin.com/in/saatvik333 🌐 github.com/saatvik333

Profile Summary

Result-driven Software Developer with experience designing scalable applications and optimizing development workflows. Adaptive to the use of multiple programming languages and modern frameworks to deliver robust, efficient, and maintainable solutions.

Technical Skills

Languages: JavaScript, Go, Rust, C++
Tools & Infra: Docker, Git, GCP, Linux
Frameworks: Node.js, Next.js, Gin

Education

B.Tech in CSE
IIIT Naya Raipur, India
CGPA: 7.49/10
2020 – 2024

Intermediate / +2
Bansal Public School, Kota, India
2018 – 2020

Projects

BlockLite — Minimal Blockchain Implementation in Go

- Designed and implemented a lightweight chain with a Proof-of-Work consensus mechanism for secure, immutable transaction recording.
- Developed a UTXO-based transaction model using cryptographic signatures to prevent double-spending and enable secure peer-to-peer transactions.
- Integrated persistent storage using BoltDB for efficient querying and data integrity.

BitTorrent Client — CLI BitTorrent Client

- Developed a BitTorrent client from scratch, implementing core peer-to-peer file-sharing functionalities.
- Engineered peer discovery and communication via HTTP-based tracker data retrieval and TCP connections.
- Optimized download performance with multi-threading while ensuring data integrity through SHA-1 hash verification.

Professional Experience

Airchains Dec 2024 – Present
Software Developer, Gurugram, India

- Engineered a JavaScript-based Fully Homomorphic Encryption (FHE) contract testing suite, streamlining FHEVM smart contract development via Dockerized deployment and encrypted transaction testing.
- Developed an automated Go-based bomber bot for a Cosmos chain, managing transaction validation, VRF-based randomness, upgrade monitoring, and event-driven blockchain interactions.
- Collaboratively designed and implemented core modules (VRF, ZKFHE, zkSequencer) for a Cosmos-based settlement layer, enabling secure on-chain multi-transaction processing via zero-knowledge proofs.

Airchains Aug 2024 – Nov 2024
Blockchain Developer Intern, Gurugram, India

- Researched FHE methodologies and evaluated cryptographic schemes to integrate TFHE-rs into the Geth blockchain, achieving quantum-resilient on-chain transactions.
- CI / CD automation developed with Shell scripting, reducing deployment cycles by 80% and boosting DevOps efficiency.

TSoC — The Society of Coders IIITNR
Mar 2022

Coding Mentor, Raipur, India

- Mentored over 60 students in programming fundamentals and development environments, building a strong foundation in computer science.
- Facilitated hands-on coding workshops and provided real-time troubleshooting support to enhance student engagement and skills.