




Aayush Giri

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EDUCATION

Indian Institute of Technology (ISM)

Bachelor of Technology in Electronics & Communication Engineering

Dhanbad, Jharkhand

Dec 2020 - April 2024 (Expected)

- CGPA: 3.21/4.0 (4-point scale)

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, Golang, C, C++, SQL, Rust, Solidity, Circom

Frameworks & Tools: NodeJS, ExpressJS, ReactJS, NextJS, Git, Docker, Linux

Web3: EtherJS, Web3JS, Hardhat, Openzeppelin, IPFS, Uniswap Protocol, Chainlink, Aave, EIPs

Databases: MongoDB, PostgreSQL, SQLite

EXPERIENCE

Nethermind

March. 2024 – Present

Software Engineer Intern (United Kingdom, Remote)

- Researching on cryptographic primitives, enhancing lookup argument research, and building PoCs for various protocol implementations of cryptographic scaling solutions for StarkNet, achieving 3.9x throughput boost and optimization.

Spheron Network

Sep. 2023 – Dec. 2023

Software Development Engineer Intern (Singapore, Remote)

- Pioneered R&D in Rust/Solidity/Golang, 25% interoperability boost via 15+ integrations, refined CLI for 15% user engagement hike, enhanced distributed system reliability/performance through cloud infrastructure orchestration..

Jio Platforms Ltd.

May 2023 – July 2023

Software Development Engineer Intern (Mumbai, India)

- Developed abstract React API handling framework for code organization, resolved 60+ production/accessibility bugs in Jio platforms optimizing UX, streamlined data presentation reducing redundancy and improving efficiency.

Clamp

Jan. 2023 – May 2023

Founding Blockchain Developer (Mumbai, Remote)

- Spearheaded blockchain backend architecture with ERC4337, built production-grade solidity contracts integrated with UniswapV3 and Chainlink, led roadmap execution for deployment across EVM-chains, onboarding 1000+ users.

Indian Institute Of Technology Dhanbad

June 2022 – Aug. 2022

Blockchain Researcher (Dhanbad, India)

- Designed architecture for COVID-19 vaccine supply chain, leveraging smart contracts and IPFS storage, achieved 30% faster data retrieval, integrated on-chain data with IPFS storage for 10,000+ records, ensuring 98.2% data integrity.

PROJECTS

Log Watcher (Similar to tail -f) | Node.js, WebSocket

December 2023

- Engineered a Node.js and WebSocket based real-time log monitoring system, mimicking UNIX's tail -f, featuring efficient large log file handling and simultaneous multi-client support.

Zero-Knowledge Proof Authentication Server | Circom, Rust, Docker, Cryptography

October 2023

- Engineered a Rust-based gRPC authentication system leveraging Zero-Knowledge Proof (ZKP) for secure, private data handling and user verification, encapsulated in Docker for consistent deployment.

AI-Summarizer Service | Javascript, Redux

June 2023



- Developed AI-Summarizer-Sumz, an open-source GPT-4 powered tool, effectively condensing lengthy articles into concise summaries, resulting in an 80% reduction in reading time.

AWARDS

Best Innovation Award @ETHGlobal Tokyo 2023 | Secured sponsorship prizes from Bunzz, Polygon, and Scroll.

Sponsorship Prize @ETHGlobal HackFS 2022 | Received a sponsorship prize from XMTP Protocol and Lenster.

RELEVANT COURSEWORK

- **Courses:** Operating Systems, Data Structures & Algorithms, Principles of Blockchain Technology, Computer Networks, Distributed Systems, Object Oriented Programming, Database Systems, Cryptocurrency.
- **Online Certifications:** Blockchain: Foundations and Use Cases, Consensys Academy  ; Blockchain Specialization, State University of New York .