Aayush Giri

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EDUCATION

Indian Institute of Technology (ISM) — Dhanbad, Jharkhand
Bachelor of Technology in Electronics & Communication Engineering — *Dec 2020 - April 2024(Expected)*
CGPA: 7.64

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, Golang, C, C++, SQL, Rust, Solidity
Frameworks & Tools: NodeJS, ExpressJS, ReactJS, NextJS, MongoDB, Git, Docker

EXPERIENCE

Spheron Network — Sep. 2023 – Dec. 2023
Software Development Engineer Intern (Singapore, Remote)

- Pioneered R&D in Rust, Solidity, and Golang, achieving 25% interoperability improvement via 15+ integrations.
- Refined CLI functionality, leading to a 15% user engagement increase by aligning with core user requirements.
- Enhanced distributed system reliability and performance through innovative feature implementation.

Jio Platforms Ltd. — *May 2023 – July 2023*
Software Development Engineer Intern (Mumbai, India)

- Developed abstract API handling framework in React, improving code organization and maintainability.
- Resolved critical bugs in NodeJS backend, ensuring seamless functionality and enhanced user experience.
- Streamlined data presentation through abstract response formatting logic, reducing redundant code and enhancing application efficiency.

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* — *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.

Ethereum Protocol Fellowship 2022 | Engaged in MEV and consensus layer research at Ethereum Foundation.

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

RELEVANT COURSEWORK

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