

# Suryarghya Saha

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## EDUCATION

**Indian Institute of Technology (ISM), Dhanbad, Dhanbad, Jharkhand**  
**Degree:** Bachelor of Technology in Computer Science and Engineering

Nov 2020 – Present

## WORK EXPERIENCE

### Unicus One

May 2023 – Jul 2023

*Role: Backend Developer - Intern*

- Developed server for a DApp, cutting response time by 30% and boosting system performance by 40%.
- Automated deployments with Docker and Kubernetes, reducing downtime and deployment times by 40%.
- Streamlined cross-team communication with clear API documentation, saving 30% integration time.
- Conducted code reviews, cutting post-release bugs by 20% and improving code quality.

**Advanced Skills:** Node.js, Docker, Kubernetes.

### Freelance

Apr 2021 – May 2021

*Role: Frontend Developer*

- Built and optimized a multipage portfolio website with Next.js increasing Web Traffic by 35% and reducing Bounce Rate by 20% within 4 months.
- Utilized TailwindCss, Framer Motion, and Email.js to implement a robust and responsive design.

**Advanced Skills:** Next.js 12, Framer Motion, Tailwindcss, Email.js.

## PROJECTS

**ICO DApp for Presale** (*Skills: Blockchain, Solidity, Javascript, Next.js, Hardhat*) - [GitHub](#) [Etherscan](#)

- Developed an Initial Coin Offering (ICO) DApp on Ethereum Blockchain, powered by Hardhat framework and deployed to Sepolia Test Network.
- Created 2 Solidity Smart Contracts for the custom ERC-20 Token (BridgeCoin) and the ICO functionality, coupled with Next.js 14 Frontend to deliver exquisite UX, facilitating seamless Ether transactions between buyer and creator of tokens.

**PoW Blockchain Protocol** (*Skills: Blockchain, Node.js, Cryptographic Hash Functions*) - [GitHub](#)

- Implemented a Proof of Work Blockchain Protocol executed upon Node.js written in Javascript.
- Efficiently demonstrated the key functionalities including Block Mining, Consensus Mechanism, self-adjustable Difficulty, and Distributed Node Synchronization combined with security measures backed by cryptographic hash functions.

**Estatigo** (*Skills: Web Development, APIs, Next.js, Server Side Rendering*) - [GitHub](#)

- A Full-Stack Real Estate Application built with the Next.js 12 framework. Provides enhanced property search options with 20+ applied filters.
- The above 1000 Property Details are fetched utilizing RapidAPI. Server Side Rendering ensures fast response time. A minimalistic and sophisticated interface delivers an intuitive User Experience.

## TECH SKILLS

Programming:	Javascript, Solidity, Typescript, Python, C/C++, SQL
Web Technologies:	RESTful APIs, Flask, FastAPI,
Libraries/Frameworks:	React.js, Next.js, Node.js, Express.js, Hardhat, Truffle
Databases:	MongoDB, MySQL, MariaDB
Other Tools:	Git, Postman, GitHub, Docker