

Ishita Srivastava

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology

(An Institution of National Importance along the lines of IITs)

Bachelor of Technology in Computer Science and Engineering; CPI: 9.04*

Jais, UP

Dec 2020 - Jun 2024

Carmel School

Matriculation, ICSE, 2018: 95.3% & Intermediate, ISC, 2020: 93.4%

Gorakhpur, Uttar Pradesh

EXPERIENCE

Frontend developer | Fantasy

May 2023 - Present

- Technology Stack: Reactjs, Web3Auth, SCSS, Redux, Webpack, Jest
- Developed responsive UI and feature enhancements including external wallet login and onramp transaction modes
- Worked on SEO optimization, performance optimization, and load testing

BlockOasis: Frontend developer | Cartesi: The Blockchain OS | [GitHub](#)

Jun 2023 - Present

- Technology Stack: Next.js, Cartesi Rollups, Cartesi Machine, Solidity, IPFS, IoT sensors.
- Building a PoC of a Smart Water Management System using IoT devices that are used for real-time monitoring of the quantity and quality of water in the distribution infrastructure.
- Build a platform to display and allow interaction with data from 20+ IoT devices that are stored on IPFS for analysis of water usage and wastage, flood, and drought warnings, and water billing.

Full-stack developer (Protocol) Intern | Huddle01

Mar 2023 - May 2023

- Technology Stack: IPFS, WebRTC, Libp2p, Reactjs, React Native, Tailwind CSS, JWT
- Worked on Divergent SDK and Lens01 - Decentralised composable wallet to wallet communication application
- Developed React Native Support for Divergent SDK.

PUBLISHED WORK

Blockchain-based Secure Storage and Management of Electronic Health Record using Smart

Card | *IEEE Conference* | *RAIT 2023 conference to be conducted at IIT-Dhanbad* | 

Dec 2022

- Technology Stack: SHA256 hashing algorithm, Public-Key Cryptography, P2P Network, Smart Card, Proof-of-Authority consensus algorithm.
- Secured storage and dynamically permissioned access of the medical records using smart card and Proof-of-Authority on Permissioned-Blockchain.

COMPLETED PROJECTS

Copyright Infringement detector | Won The Smart India Hackathon 2022 — [GitHub](#)

- Technology Stack: Blockchain, Selenium, Solidity, Ethereum, Nodejs, Reactjs, OAuth, PUPPETEER, PyTesseract for OCR, HTML Parser using BeautifulSoup.
- A blockchain-based record of the platforms with publishing rights of media. Media is stored using IPFS.
- Designed a Web Crawler that analyses the browser results for downloading movies and extracts all the redirect links using RegEX and BeautifulSoup. OCR has been used to detect the download options on the website.

Tracking system for NFTs | Smart Contracts for transaction, GraphQL for indexing — [GitHub](#)

- Technology Stack: Solidity, Web3.js, Nodejs, Polygon, The Graph, Openzeppelin, ERC721.
- ERC-721 Smart Contract that has functions to mint and buy NFTs and emits an event on the transfer of NFTs
- Querying through the subgraph to track the current owner and the previous owner of NFT.

SKILLS

Areas of Interest: Data Structures and Algorithms, Frontend development, Blockchain, System Design, SDLC, Linux, WEB3, Cryptography, Technical Writing, Public Speaking, Relational Databases, Operating Systems, Software Engineering.

Languages: C/C++, JavaScript, TypeScript, HTML, CSS, PHP, Java, MySQL, Python, Solidity, Bash.

Tools/Libraries: Reactjs, Next.js, Nodejs, Selenium, Vercel, OpenCV, TensorFlow.

ACHIEVEMENTS

Finalist at ETHIndia Hackathon 2022

Winner of the Smart India Hackathon-2022 for Problem Statement NS1228

Shortlisted and Granted Scholarship in ETHDenver Hackathon 2023

EXTRA-CURRICULAR AND VOLUNTEER WORK

Treasurer: OWASP Student Chapter, RGIPT

Editorial Co-head: RGIPT ACM Student Chapter, RGIPT

Overall Coordinator: Leading a team of more than 150 Volunteers at Gyanarpan, Project Amethi

Tutorship: Lectured a class of freshers of Bachelor of Technology.

Teaching Volunteer: Gyanarpan is initiative to educate underprivileged children