Rahul Sarkar

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github | linkedin | rahulsarkar.tech | medium

Skills

Languages : JavaScript, Typescript, Java, Python, Solidity, C, Go

Frontend : HTML, CSS, React.js ,Next.js ,Redux toolkit ,Tailwind CSS, Vue.js, Nuxt.js, Zustand

Backend, Database & API : Node.js, Express , JWT, MongoDB, Firebase, SQL, REST API , GraphQL

Tools ,Testing & deployment : Jest, Netlify, Heroku, Vercel, Docker, GitHub actions, YAML, Hygraph, AWS (EC2, S3, Lambda, Beanstalk, ECS), Git, GitHub

Blockchain: IPFS, web3.js, Ethers.js, Hardhat, Truffle, Ganache,Infura, Alchemy, Smart Contracts, Pinata ,OpenZeppelin, ERC20 ,ERC721

Work Experience

Digiliyo Technologies | Frontend Developer Intern   **Apr 2022 - June 2022**
- Utilized modern web development principles and best practices to create a responsive and interactive website
- Collaborated with the design team to ensure seamless integration of UI elements and enhance the overall UX

Cyber Defence Solutions | Full Stack Developer Intern   **Aug 2022 - Jan 2023**
- Revamped the React UI by refactoring all class components into modern functional components, achieving 100% conversion and substantially enhancing code readability and maintainability.
- Implemented robust backend functionalities using Node.js and Express.js, seamlessly integrated with React front-end components via RESTful APIs, and containerized using Docker for streamlined deployment and scalability.

Iotron Technologies | Frontend Developer Intern   **Feb 2023 - Oct 2023**
- Leveraged Nuxt.js to proficiently manage routing, state, and server-side rendering, ensuring optimal performance and SEO-friendliness, reflected in consistently high scores averaging 97+ across Chrome Lighthouse Performance Metrics.
- Implemented Progressive Web App (PWA) functionality, enabling cross-platform downloadability for enhanced accessibility and user engagement.

Projects

Healthmate | Next.js, Socket.io, Firebase, Flask, Scikit-learn, Numpy   **Github |** **Jan 2024**
- AI-powered Comprehensive Healthcare Solution for Patients, featuring AI powered disease diagnosis, user authentication, forums with text moderation, and one-on-one video calls.

JECA 360 | Next.js, Node.js, Razorpay, Firebase, AWS, Docker   **Link |** **Apr 2024**
- EdTech platform enabling students to take tests and quizzes, featuring performance analysis, leaderboard, and inbuilt IDE

Neuroinsight | React.js, Flask, Numpy, Scikit-learn   **Link | Frontend | Backend |** **Nov 2023**
- Dementia detection using a range of machine learning models, data analysis techniques to enhance accuracy and reliability.

Education

- Master of Computer Application   **Jadavpur University**
                                                       2023 - 2025
- BSc Computer Science   **Vidyasagar College (Calcutta University)**
                                             SGPA 8.5 | 2020 - 2023

Open Source & achievements

- Secured **2nd rank** in the **Synchronicity Hackathon 2024** organized by **JU ACM (Team Lead) [view]**
- Secured **2nd rank** in the **Reflexons Innovation Challenge 2024** organized by **Calcutta University [view]**
- Secured **4th rank** in the **CodeFiesta'22** organized by **BESC**
- Actively contributed to DigitalOcean's **Hacktoberfest** event in 2020, 2021, and 2022.
- Got selected for **GSSoC'24** as contributor