Vibhav Raj Sachan

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Education

Chandigarh University	*Chandigarh, India*
Bachelor of Technology	*2020-2024*
Lucknow Public College	*Lucknow, India*
Intermediate	*2019*

Technical Skills

Programming Languages: JavaScript, TypeScript, Solidity
Libraries & Frameworks: ReactJS, Next.JS, ExpressJS, Redux, EtherJS
Databases: MongoDB
Tools & Other Skills: GitHub, Tailwind CSS, MetaMask, Remix, Hardhat

Projects

StoryScape | *JavaScript, ReactJS, NodeJS, ExpressJS, MongoDB, Tailwind CSS, Cloudinary, Redux*   link

- Developed and deployed a feature-rich MERN stack blog web application, utilizing MongoDB, Express.js, React.js, Node.js, and Redux Toolkit, showcasing strong proficiency in full-stack web development.
- Implemented advanced features such as CRUD operations, user authentication with JWT, comment functionality, blog tagging, and estimated reading time display, demonstrating expertise in backend and frontend development and complex data modelling.
- Designed and integrated a user-friendly interface, allowing users to create, read, update, and delete blogs, as well as save blogs for later reading, enhancing user experience and engagement.

Hospital Chain | *JavaScript*, Solidity, *ReactJS, EtherJS, Hardhat, Tailwind CSS, MetaMask*   link

- Developed a full-stack decentralized Hospital Management System (dApp) using Solidity for the smart contract and React for the frontend, ensuring secure and transparent patient record management on the Ethereum blockchain.
- Implemented role-based authentication and access control, allowing only verified doctors to update patient records while enabling managers to oversee doctor registrations and approvals.
- Integrated Web3.js/Ethers.js for blockchain interactions, enabling seamless patient record retrieval, doctor verification, and real-time updates within the decentralized application.

Digi Locker 3.0 | *JavaScript*, Solidity, *ReactJS, EtherJS, Hardhat, Tailwind CSS, MetaMask, Pinata*   link

- Built Digi Locker 3.0 a web3 Ethereum-based dApp that allows users to securely store important files on the blockchain using Sepolia test net, ensuring data immutability and security.
- Implemented smart contracts to ensure data integrity, immutability, and security, leveraging IPFS for decentralized file storage and MetaMask for authentication.
- Designed a seamless user interface using ReactJS and tailwind CSS providing an intuitive experience for uploading, retrieving, and verifying documents on the blockchain.