

HARSH

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TECHNICAL SKILLS

Languages: JavaScript, Rust, Solidity, C/C++, Python, HTML/CSS

Frameworks/Libraries: Next, React, Node.js, Express, Web3.js, Eth.js, Mocha/Chai

Developer Tools: Git, GitHub, Hardhat, MetaMask, Tailwind

Others: AWS, Google Cloud, Vercel, Clerk

Databases: MongoDB, IPFS, Firebase

PROJECTS

Portfolio | *React.js Tailwind CSS, Framer-Motion*

[LINK](#)

- Designed and deployed my portfolio website to showcase my skills and let others know more about me.

Vaultify | *MERN stack, JavaScript, Solidity, Web3.js, IPFS*

[LINK](#)

- Published a **full-stack dapp** using the **MERN** stack and Blockchain technology, enabling secure image storage on the **IPFS** network. This resulted in a **40%** reduction in data **retrieval** time.
- Implemented **encryption - decryption** of data using **cryptography** and wrote optimized code to reduce gas fees.
- Utilized **DSA** concepts and pagination, reducing server load by almost **50%** and enabling **fast** and **light loading**.
- Employed MetaMask and JWT for **authorization and authentication**, preventing security breaches.

Free Flow | *JavaScript, React.js, Node.js, Solidity, Web3.js, WebSockets*

[LINK](#)

- Developed a **dapp chat application** enabling real-time communication with **P2P encrypted messages**. Supported **1000+ concurrent users** with seamless performance and designed an intuitive, minimalistic UI.
- Implemented MetaMask login functionality, allowing users to log in with their username while automatically detecting the account address from the wallet, enhancing **user convenience** and reducing login time by **30%**.
- Wrote **robust smart contracts** providing features such as *user discovery, manual friend addition* via **account address, chat sections, and friend search, handling up to **10,000** transactions per second (**TPS**) to ensure scalability and efficiency.**

LedgerKYC | *JavaScript, React.js, Node.js, Solidity, Eth.js, Web3.js, CSS*

- Engineered a **dapp KYC verification** web application for secure and transparent KYC processing.
- Developed **different portals** for organizations, users, and an admin portal, facilitating efficient management with the ability to *add or remove organizations dynamically*.
- Designed and launched a seamless login and **document upload system** utilizing IPFS for secure, **temporary storage**, resulting in **50% reduction** in document **verification time** and enhanced user experience.
- Once verified, any existing organization can request any users' documents and user can **accept and delete request**.

EDUCATION

Chandigarh University

Bachelor of Engineering in Computer Science

Mohali, Punjab, IN

Aug. 2021 – Present

ADDITIONAL QUALIFICATIONS

- Developed, tested, deployed, and maintained secure smart contracts for blockchain dApps, ensuring robust security and efficiency.
- Built production-grade websites and web applications using modern full-stack frameworks, with hands-on experience in CI/CD and live environment deployment.
- Demonstrated strong expertise in DeFi concepts, market analysis, and querying blockchain data via RPC endpoints.
- Designed upgradable smart contracts and seamlessly integrated web3 technologies with traditional web platforms for enhanced user experiences.