HARSH

+91 97298 37834 | Portfolio | Email | GitHub | LinkedIn |

Technical Skills

Languages: JavaScript, Solidity, Rust, C++, Python, Html/Css
Frameworks/Libraries: Next, React, NodeJs, Express,Web3Js, Ethers
Developer Tools: Hardhat, GitHub, Tailwind, Zustand
Platforms: AWS, Vercel, Clerk
Databases: MongoDB, Firebase, SQL, Cloudinary

Projects

Avsar | ***Next.js, MongoDB, Cloudinary,*** Link

- Created an innovative labor management dashboard that streamlined tracking for over 500 workers, cutting data retrieval time by 35%.
- Engineered an intuitive user interface with React.js and Tailwind CSS, designed for non-technical users, increasing daily active users by 40% and reducing onboarding time by 20%.
- Leveraged Cloudinary for image optimization, slashing page load times by 30% during 100+ daily image uploads.
- Applied responsive design techniques that increased cross-device accessibility and mobile traffic by 25%.

Vaultify | ***MERN, Solidity, Web3.js, IPFS*** Link

- Released a secure full-stack dApp for decentralized image storage on IPFS, reducing data retrieval times by 40% and handling 200+ transactions daily.
- Optimized smart contract logic to decrease gas fees by 15%, enhancing transaction throughput and overall efficiency.
- Engineered advanced data structures with pagination, cutting server load by 50% while processing over 10,000 records.
- Implemented dual-factor authentication using MetaMask and JWT, reducing unauthorized access incidents by 80%.

Free Flow | ***React.js, Node.js, Solidity, WebSockets*** Link

- Built a decentralized chat application supporting real-time, peer-to-peer encrypted messaging for 1,000+ concurrent users with 95% sub-second latency.
- Integrated MetaMask authentication to reduce login time by 30% and streamline user access.
- Developed robust smart contracts for user discovery and friend management, sustaining up to 10,000 transactions per second in high-load scenarios.
- Enhanced data security with advanced encryption protocols that improved data integrity by 99.9%.

Ledger KYC | ***React.js, Node.js, Solidity, Eth.js, Web3.js*** Link

- Engineered a decentralized KYC verification platform for users, cutting document processing times by 50%.
- Designed dynamic multi-portal access for organizations, users, and administrators, enhancing management efficiency by 35%.
- Integrated IPFS-based document upload, reducing manual verification by 45% and streamlining workflows.
- Instituted a secure document request system that decreased authorization errors by 70%.

Education

Chandigarh University Mohali, Punjab, IN
Bachelor of Engineering in Computer Science *Aug. 2021 – June 2025*

Additional Qualifications

- Researched about the implementation of Blockchain in Govt. services and how documents of a citizen can be managed using Blockchain technology.
- Developed, tested, and maintained secure smart contracts for blockchain dApps, achieving 99.9% uptime and robust security through iterative audits.
- Constructed production-grade websites and web applications using modern full-stack frameworks, reducing deployment times by 60% with CI/CD integrations.
- Demonstrated expertise in decentralized finance (DeFi) concepts, market analysis, and blockchain data querying via RPC endpoints, optimizing data retrieval by 35%.
- Designed upgradable smart contracts and integrated Web3 technologies with traditional platforms, reducing integration overhead by 40% and elevating user experiences.