

HARSH

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

TECHNICAL SKILLS

Languages: JavaScript, Rust, Solidity, C/C++, Python, HTML/CSS
Frameworks/Libraries: Next.js, React, Node.js, Express, Web3.js, Eth.js, Mocha/Chai
Developer Tools: Git, GitHub, Hardhat, MetaMask, Tailwind
Platforms: AWS, Google Cloud, Vercel, Clerk
Databases: MongoDB, IPFS, Firebase

PROJECTS

- Portfolio Website** | *React.js, Tailwind CSS, Framer Motion* [Link](#)
- Designed and deployed a responsive personal portfolio website, boosting engagement by 25% as measured by increased visitor interactions.
- Avsar** | *Next.js, MongoDB, Cloudinary, Solidity, Web3.js* [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 Stack, 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, Web3.js, 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%.
- LedgerKYC** | *React.js, Node.js, Solidity, Eth.js, Web3.js, CSS* [Link](#)
- Engineered a decentralized KYC verification platform for 250+ 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

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| Chandigarh University <i>Bachelor of Engineering in Computer Science</i> | Mohali, Punjab, IN <i>Aug. 2021 – Present</i> |
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ADDITIONAL QUALIFICATIONS

- 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.