

# KAUSHIK KUMAR SAHOO

FULL STACK, BLOCKCHAIN & REACT NATIVE DEVELOPER

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## Summary

Full Stack Developer with a strong foundation in **data structures, algorithms**, and **scalable system design**. Experienced in robust web and mobile app development using the **MERN stack, React Native**, and **RESTful APIs**. Skilled in **blockchain, Web3 technologies**, and **cloud platforms**, including **Solidity, smart contracts, DApps, Web3.js**, and **decentralized applications**. Proven ability to deliver **secure, high-performance, financial-grade solutions** aligned with **fintech, payment systems, trading platforms, digital wallets, online transactions, and fraud prevention**. Strong interest in **data analytics, cybersecurity**, and **scalable payment processing systems**.

## Technical Skills

- **Languages:** C, C++, JavaScript, HTML5, CSS3
- **Databases:** MongoDB, Firebase, MySQL
- **Blockchain & Web3:** Solidity, Smart Contracts, DApps, Web3.js, Ethers.js, Hardhat, Truffle, Hyperledger Fabric, ERC-20, ERC-721, Consensus Algorithms (PoW, PoS), Solana, Ethereum, Neon Labs, Superfluid, DeFi, DAO, IPFS, MetaMask, Backpack, RainbowKit, Wagmi
- **Tools:** Git, GitHub, VS Code, REST APIs, PostMan, Android Studio, Linux, Figma, Cloud Deployment (Vercel, Firebase Hosting), **Payment API Integration (Stripe, PayPal SDK)**
- **Libraries/Frameworks:** React.js, Node.js, Express.js, Next.js, React Native, Web3.js, ShadCn
- **Concepts:** Full Stack Development, Web3 Development, Smart Contracts, DApp Development, REST API Integration, **Payment Gateways**, Responsive UI, Cross-Platform Dev, OOP, Team Collaboration, **Fraud Detection, Risk Management, Digital Transactions**, Scalable Systems, Blockchain Architecture

## Projects & Experience

- **Decentralized Exchange (DEX) Fraud Detection System [Blockchain + Backend Engineer]**  **2025**
  - Developed algorithms to detect **market manipulation and fraudulent transaction patterns** such as sandwich attacks, wash trading, and pump & dump schemes in **digital asset trading systems**.
  - Designed **secure Solidity contracts** for logging suspicious financial activity with verifiable on-chain events, improving **fraud prevention and transaction transparency**.
  - Built a **real-time fraud monitoring dashboard** (React, Web3.js, Vite) integrated with wallets and exchanges, supporting **secure payment flows**.
  - Optimized transaction data pipelines for **low-latency analytics** using Alchemy & Etherscan APIs, ensuring **scalable performance for online payment ecosystems**.
  - **Tech Stack:** Solidity, Hardhat, Node.js, React, Vite, Web3.js, Ethers.js, Etherscan API
- **Fill It - Smart Container Fulfillment [React Native Developer]**  **2025**
  - Built cross-platform mobile app for container delivery tracking in **logistics and supply chain management**.
  - Integrated **real-time status, payments, Google Maps API**, and responsive web frontend to support enterprise-scale operations.
  - **Tech Stack:** React Native, JavaScript, Firebase, Google Maps API, HTML/CSS
- **ISMS - Institute Student Management System [Frontend Developer]**  **2025**
  - Developed frontend portal for student management, supporting **secure authentication and role-based access**.
  - Implemented academic records, attendance, file uploads, and announcements with **financial-grade data security**.
  - Ensured responsive, interactive UI for large user groups.
  - **Tech Stack:** JavaScript, HTML5, CSS3
- **Web3 Todo-List DApp [Full Stack Blockchain & Web3 Developer]**  **2025**
  - Built a full-stack decentralized application (DApp) using Solidity and React to create and manage tasks on the blockchain, showcasing **secure, scalable architecture**.
  - Integrated Web3 wallet connectivity with RainbowKit and wagmi, allowing direct interaction with smart contracts deployed on the Polygon testnet for **financial transactions**.
  - **Tech Stack:** Polygon Network, Smart Contract Development, DApp Development, Ethers.js, Wagmi, RainbowKit, Tailwind CSS, React.js, Solidity, JavaScript, Alchemy, MetaMask

## Certifications

- Solutions Architecture Job Simulation – AWS
- Blockchain Development Course – 30DaysCoding
- Software Engineering Job Simulation – Accenture

## Education

**International Institute of Information Technology, Bhubaneswar**  
Bachelor of Technology in Computer Science and Engineering  
CGPA: 8.66

2023–2027