Omanshi Kaushal

📞 +91 7060496667 ✉ E-Mail 🔗 LinkedIn ⭘ GitHub

Technical Skills and Tools

Languages & Frameworks: Java, Python, JavaScript, SQL, HTML/CSS, React.js, Node.js, Express.js, Flask, Bootstrap
Blockchain & Web3: Solidity, Web3.js, Ethers.js, Truffle, Ganache, MetaMask, Smart Contracts
AI & Machine Learning: Deep Reinforcement Learning, TensorFlow, Scikit-learn

Experience

Campus Ambassador (Developer Program Member) - Accelchain ⭘ — **August 2024 - May 2025**
Worked on Blockchain Build Projects
- Developed a decentralised identity verification system to eliminate centralized dependency and enhance data security.
- Built and deployed a full-stack DApp using Solidity, Node.js, Express.js with automated smart contract workflows.
- Achieved 40% improvement in verification efficiency, streamlining onboarding workflows and enhancing system scalability.

Amazon Sambhav Hackathon - Pre Finalist — **November 2024**
XportSync - Easing Cross Border Trade
- Addressed inefficiencies and lack of transparency in cross-border trade processes and compliance management.
- Built a blockchain-based system using Solidity to automate trade agreements and enabled real-time shipment tracking.
- Reduced manual trade processing by 60%, improved compliance accuracy and enabled more transparent operations.

Google Girl Hackathon — **April 2024**
Worked on Data Structures and Algorithms
- Designed and implemented optimized solutions for graph traversal, dynamic programming and backtracking problems
- Focused on runtime optimization and memory efficiency in Java
- Improved coding efficiency by 25% using 40+ data structures

Key Projects

NFT by AI | *Solidity, React.js, Truffle, Ethers.js, Stable Diffusion via API, Gas Optimisation Scripts* ⭘ — **December 2025**
- Addressed the lack of a platform for AI-generated art to be minted as NFTs with user-friendly blockchain integration.
- Built a Web3 NFT generator, leveraging Stable Diffusion for prompt-based image generation.
- Enabled one-click NFT minting on Ethereum, making AI-generated art instantly accessible and blockchain-ready.

DMarkt - Decentralized Energy Marketplace | *Solidity, Federated Deep Reinforcement Learning* ⭘ — **September 2025**
- Addressed inefficiencies in decentralized energy trading and lack of privacy in smart grid energy optimization.
- Developed a Web3 energy marketplace using NFT-backed profiles and federated deep reinforcement learning.
- Boosted energy efficiency by up to **35%**, enabled secure P2P trading, and reduced centralized data exposure by 50%.

ChatPDF - AI PDF Summarizer & Chat Assistant | *React.js, OpenAI API, LangChain* ⭘ — **June 2025**
- Addressed the challenge of extracting insights from long, unstructured PDF documents efficiently.
- Built an AI-powered PDF chat app using React.js, OpenAI API and LangChain for semantic search and contextual Q&A.
- Improved document comprehension efficiency by 75%, enabling query-based information retrieval, reducing manual effort.

Education

VIT Bhopal University — **2022 - 2026 (expected)**
B.Tech in Computer Science and Eng with specialization in Health Informatics

Certifications

Global: IBM Blockchain Credit, Stanford Machine Learning Course

Leadership & Extracurricular Activities

Blockchain Club — **May 2024 – July 2025**
Vice President — *VIT Bhopal University*

National Service Scheme (NSS) — **December 2022 – April 2025**
Core Member — *VIT Bhopal University*

Languages

English, **Hindi**, **German**: Elementary (A2)