**Vinay Sitaram Kanse**
*+91-9324351848 | kanasevinay9451@gmail.com | linkedin.com/in/vinayskanse | github.com/vinayskanse*

## Education

**Bachelor of Technology in Electronics and Telecommunications Engineering**
*KJ Somaiya College of Engineering, Vidhyavihar* *2021-26*

## Skills and Interests

**Languages**: Python, JavaScript, TypeScript, C#/.NET, Dart, Solidity, C/C++

**Frontend**: ReactJS, Next.js, TailwindCSS, WebRTC, MUI, React Native, Flutter

**Backend**: Node.js, Express.js, FastAPI, Flask, Django, ASP.NET Core, Prisma, GraphQL

**AI/ML**: OpenAI API, GPT-4, DALL·E 3, Multi-Agent Systems, Prompt Engineering, LangChain

**Cloud & DevOps**: Microsoft Azure, Docker, Firebase, CI/CD, Git, Hardhat

**Databases**: MongoDB, PostgreSQL, SQL, Hasura, Neo4j, Redis, Firestore

**Dev Tools**: VSCode, Postman, Figma, N8n

**Areas of Interest**: Full Stack Development, AI Integration, Cloud Architecture, Web Security

## Experience

**Backend Intern - CoinDCX** July 2026 - Present

- Designed and built a custodial wallet visibility system covering balances, accounts and tokens.
- Built an internal dashboard for wallet management and admin approvals.
- Strengthened database security by replacing password logins with AWS RDS IAM authentication.
- Diagnosed and fixed production authentication expiry bugs, and improved service latency.

## Achievements

**ETHPrague 2025 (International Level)**: Finalist among 600+ participants

**Datathon 2024 - SVU Datazen (National Level)**: Won among 1200+ participants

**ETHIndia Finalist (International Level)**: Top 13 winners in the world's biggest ETH hackathon

**Kavach Cybersecurity Hackathon (National Level)**: Won among 4000+ solutions

**Hackerstellar (National Level)**: Won in Web3 track

**BitNBuild (National Level)**: Won in Web3 track

**KJSCE Codecell**: Workshop speaker and organizing team member for KJSCE Hack 7

## Projects

**Conduct.Chat (Finalist + 3 bounties in ETHGlobal Prague)** June 2025

*AI workflow orchestrator that turns natural language into multi-agent blockchain execution via smart contracts*

- Developed an AI chat application in React.js with AI agent workflow visualization using React Flow and an agent marketplace built with a NeoBrutalism-inspired UI.
- Engineered transparent smart contracts in Solidity using Foundry to manage agent reputation scoring and execution-based pricing mechanisms.
- Contributed to the development of AI agents for NFT image generation using DALL·E 3, workflow orchestration using GPT-3.5, and DeFi-based ETH conversion workflows across Hedera and Flow blockchains.
- Integrated MetaMask wallets and 1inch-powered blockchain transaction flows using Thirdweb for decentralized agent execution and token interactions.

**Dhanush - Fund Trail Analysis Tool (Won Kavach Cybersecurity Hackathon)** July 2023 - Sep 2023

*A web application for policemen to analyze detect fraudulent patterns in bank transactions.*

- Designed and developed a React.js frontend using MUI to upload and process bank statements across multiple bank formats through a unified workflow.
- Leveraged OCR pipelines using Python and Tabula to process and analyze 1000+ banking transactions from unstructured financial documents.
- Built backend APIs using Node.js, Express.js, MongoDB, and Flask for database operations, OCR processing, and financial analytics workflows.
- Implemented end-to-end encryption for sensitive financial data using CryptoJS to ensure secure handling of delegated banking information.
- Developed fraud detection and mule transaction analysis workflows using Python, NetworkX, and custom graph-based algorithms to generate actionable investigation reports.
- Integrated Mapbox-based geospatial visualization to analyze anonymous financial scam reports and identify suspicious transaction patterns geographically.