

# SHIVANG DIXIT

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## Education

### ITM College

Bachelor of Science in Computer Science

2022 – 2026

Gwalior, India

## Relevant Skills

- Smart-Contracts
- AI-Agents Automation
- Order-Book
- Telegram Bots
- Pipelines CI-CD

## Experience

### Chainlink Fellowship

June 2025 – July 2025

Fellowship

- Learned about VRF (Verifiable Random Function) and the Oracle Network DOM architecture.
- Gained experience with on-chain automation using log-triggered Chainlink Upkeep.
- Developed and deployed a tile-based game smart contract on the Sepolia Testnet.
- Earned a certification from Cyfrin Updraft.

## Personal Projects, Hackathons & Open Source

Developer & Contributor

- Gained hands-on experience building and shipping apps through personal projects, hackathons, and contributions to open-source communities.
- Collaborated with developers worldwide via Git/GitHub, contributing features, reviews, and documentation to shared projects.
- Explored new frameworks, tools, and best practices to quickly prototype and improve user experiences.

## Projects

**TwapOracle** | *Solidity, Uniswap V3 Pools*

- Fetched real-time spot prices from multiple Uniswap V3 liquidity pools.
- Calculated TWAP over 5 different time windows: 5 min, 15 min, 30 min, 1 hr, and 2 hr.
- Computed slippage percentage for risk-aware execution and began integrating VWAP calculations.

**TeleGram\_Bot** | *TypeScript, Node.js, Telegram API*

- Built an event-driven trading bot integrated with Telegram for alerts and execution.
- Monitored whale transactions from mempool.space in real-time.
- Predicted ETH & SOL price impact and signaled potential long/short opportunities.

**AirDropToken** | *Next.js, Tailwind CSS, Wagmi, RainbowKit, Cypress, Playwright, Vitest*

- Developed a simple multi-address token distribution (airdrop) application.
- Built the frontend using Next.js and Tailwind CSS with wallet integrations via Wagmi and RainbowKit.
- Tested the app end-to-end using Cypress, Playwright, and Vitest.

**BlockReveal (in progress)** | *Next.js, Tailwind CSS, Wagmi, RainbowKit, Chainlink VRF & Upkeep*

- Developing a tile-based game frontend with Chainlink VRF for randomness and Chainlink Upkeep integration.
- Upgraded contracts (TileGame-upgrade) to support auto storage cleanup and concurrent players.

## Technical Skills

**Languages:** Go, Solidity, Rust

**Chains:** EVM, SVM

**Oracles:** Chainlink (Certified)

**L2 - Rollups:** ZK-sync, Optimism

**Databases:** PostgreSQL, RocksDB

**Tools:** Docker, Tenderly, Kafka

**Frameworks:** Tokio, OpenZeppelin, Uniswap, Confluent

**Version Control:** Git, GitHub

**CI/CD:** Jenkins

**E2E Testing:** Foundry, Cypress, Playwright, HardHat, Alchemy, Truffle

## Initiatives & Learning

**Exploring AI Agents on BNB Chain** | *Eliza OS, LangChain*

- Currently learning and experimenting with building AI agents on the BNB Chain using Eliza OS and LangChain to understand on-chain interaction patterns.
- Researching off-chain smart contract automation approaches to reduce gas costs and improve user experience.