

Selvakumar S

Blockchain Application Developer

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EDUCATION

CHRIST (Deemed to be university)

MSc Data Science

Bengaluru, Karnataka

July 2023 – Jun 2025

V.O.Chidambaram College

BSc Geology

Thoothukudi, Tamil Nadu

July 2020 – Jun 2023

EXPERIENCE

Innovation Engineer (Web 3.0 & Blockchain)

KGiSL Institute of Technology

Jan 2026 – Present

Coimbatore, Tamil Nadu, India

- Working on Web3 and blockchain-based innovation projects, focusing on decentralized application (dApp) development and emerging technologies.
- Contributing to research and development in blockchain ecosystems, smart contracts, and real-world use cases.

Blockchain Developer Trainee

TecNeural Software Solutions

Oct 2025 – Nov 2025

Madurai, Tamil Nadu, India

- Built a **wallet creation algorithm** (key generation + Bitcoin address derivation) using Rust.
- Explored the **Bitcoin network architecture**, transactions, and UTXO model using Rust libraries.

Hooman Digital LLP

Blockchain Developer

Mar 2025 – Jun 2025

Remote

- Developed AI-powered Web3 tools including **Cookie Jar V3** and **Automated Trading Agent w/ XMTP**.
- Built decentralized platforms with **LangChain**, **DeepSeek AI**, and **Foundry**; showcased in hackathons.

Blockchain Ecosystem Contributor — Freelancer

Node Runner, Project Tester, Community Moderator

2018 – Present

Decentralized Ecosystem

- Gained **7+ years of experience** in blockchain through node running, testing, and active ecosystem contribution.
- Built and deployed multiple **Web3 and crypto projects** as an independent developer.

PROJECTS

MAIMA [Project Link]

Next.js, TypeScript, Chainlink CRE, OpenAI, L1.FI, RainbowKit

Mar 2026

- Built **MAIMA**, an AI-powered multichain DeFi application that converts natural language intents into optimized cross-chain swap and bridge execution using Chainlink CRE.

zkVerify Relayer Proof Submission CLI

Node.js, Circom/SnarkJS, Groth16 zk proofs, Horizen Testnet

Sept 2025 – Oct 2025

- Automated Groth16 zero-knowledge (zk) proof generation, VK registration, and large-scale submissions via zkVerify Relayer with Finalized job tracking.

Cookie Jar V3

Next.js, Solidity, Ethers.js, wagmi, RainbowKit

Mar 2025 – May 2025

- Developed a decentralized fund management dApp allowing shared token pools with on-chain tracking and flexible withdrawal rules.
- Integrated whitelist/NFT-gated access, automated fees, and multi-token support for seamless fund control.

Automated Trading Agent w/ XMTP [Link]

Next.js, Foundry, Base L2, XMTP, Uniswap v4, Compound

Jan 2025 - Mar 2025

For additional projects and contributions, visit github.com/mrselva-eth

PUBLICATIONS

BlockE: Securing Crypto's Future with Smart Identity and Tracking

Springer Nature – Smart Innovation, Systems and Technologies (FICTA 2025)

Feb 2026

- Co-authored a peer-reviewed Springer Nature publication proposing **BlockE**, an AI-powered blockchain framework integrating decentralized identity (DID), transaction monitoring, and AI-assisted compliance for secure cryptocurrency ecosystems.
- [Springer Publication](#)

CERTIFICATES

Blockchain: Foundations and Use Cases

Consensys Academy

Nov 2025

Blockchain, Cryptoassets, and Decentralized Finance

INSEAD

Feb 2026

Advanced Blockchain Development and Solidity Projects

Packt

Jun 2026

TECHNICAL SKILLS

Programming: JavaScript, TypeScript, R, SQL, Solidity, Rust

Frameworks & Libraries: React, Next.js, Node.js, Hardhat, Foundry, Web3.js, Ethers.js

Data Analysis: Pandas, NumPy, SciPy, Advanced Excel

Data Visualization: Tableau, Power BI

Big Data: Spark, Hadoop, NoSQL Databases