

Yash A

Chennai, Tamil Nadu, India | yashmarlecha1@gmail.com | [linkedin.com/in/yashzzdev1306](https://www.linkedin.com/in/yashzzdev1306) | github.com/Yash13606

PROFESSIONAL SUMMARY

Blockchain and Full-Stack Developer with hands-on experience building secure smart contracts, decentralized applications, and production-ready web applications. Specialized in Solidity development, smart contract security, and full-stack Web3 integration. Proven ability to build end-to-end solutions from smart contract architecture to frontend deployment. Strong foundation in both blockchain ecosystems and traditional web development, enabling seamless integration between Web3 and Web2 technologies.

EDUCATION

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering (Data Science)

Chennai, Tamil Nadu

Aug 2024 – Aug 2028

TECHNICAL SKILLS

Blockchain & Web3: Solidity, Smart Contracts, Foundry, Ethereum, Web3.js, DApp Development, Chainlink Oracles

Frontend Development: HTML5, CSS3, JavaScript, React, EJS, Responsive Design

Backend Development: Node.js, Express.js, RESTful APIs, Server-Side Rendering

Databases: MongoDB, PostgreSQL, SQL, Database Design & Optimization

Smart Contract Security: Foundry Testing, Security Auditing, Gas Optimization, Vulnerability Analysis

Blockchain Ecosystems: Ethereum, Polygon, Chainlink (VRF, Price Feeds, CCIP), Layer 2 Solutions

Development Tools: Git, GitHub, Foundry, Hardhat, GitHub Actions CI/CD, Postman

Cloud Platforms: AWS (EC2, S3, Lambda, RDS, DynamoDB), Oracle Cloud Infrastructure (OCI)

Programming Languages: Solidity, JavaScript, Python, Java, SQL, C++

Data Structures & Algorithms: Advanced DSA with Java, Problem Solving, Algorithm Optimization

PROJECTS

Decentralized Lottery System (Smart Contract)

Jan 2026

Solidity, Foundry, Chainlink VRF, Ethereum

[GitHub](#)

- Developed provably fair lottery smart contract using Chainlink VRF for verifiable randomness, implementing security best practices for handling user funds and ensuring transparent winner selection
- Built comprehensive test suite with Foundry Forge achieving 95%+ code coverage including unit tests, integration tests, and edge case scenarios for production-ready deployment
- Implemented automated deployment scripts and VRF subscription management with gas-optimized contract architecture reducing transaction costs by 30%
- Integrated event emission for transparency and created detailed documentation for contract interaction and deployment procedures

FundMe DApp (Decentralized Crowdfunding)

Jan 2026

Solidity, Foundry, Chainlink Price Feeds, Web3

[GitHub](#)

- Built full-stack decentralized crowdfunding platform with Chainlink price feed integration for real-time USD/ETH conversion ensuring accurate minimum funding requirements
- Implemented owner authorization patterns, custom error handling, and gas-optimized withdrawal functions following industry-standard Solidity best practices
- Established CI/CD pipeline using GitHub Actions with automated testing, gas snapshots, and deployment verification ensuring code quality and performance optimization
- Created modular contract architecture with separation of concerns between funding logic, price feed integration, and withdrawal mechanisms

Perpetual Abyss - Web Scraping HoneyPot

Jan 2026

Node.js, Express.js, JavaScript, HTML, CSS

[GitHub](#)

- Engineered infinite content generation system that creates realistic but deceptive web content to trap and identify malicious web scraping bots and crawlers
- Implemented dynamic HTML generation using Express.js and EJS templating to serve unique, contextually relevant fake content on each request with randomized structure
- Developed algorithmic content generation logic creating convincing fake product listings, user profiles, and article pages with realistic metadata and cross-references
- Built rate limiting and bot detection mechanisms to identify scraping patterns while maintaining legitimate user experience

DEVELOPMENT EXPERIENCE

Blockchain & Full-Stack Developer

Oct 2025 – Present

Independent Projects

Remote

- Developed multiple production-ready smart contracts with comprehensive testing achieving high code coverage and security standards for mainnet deployment
- Built full-stack web applications using MERN stack (MongoDB, Express.js, React, Node.js) with RESTful API design and database optimization
- Integrated Web3 functionality into traditional web applications enabling seamless interaction between blockchain and conventional backend systems
- Implemented security-first development practices including input validation, authentication, authorization, and smart contract vulnerability prevention
- Utilized cloud services (AWS, OCI) for application deployment, database hosting, and scalable infrastructure management

CERTIFICATIONS

Chainlink Fundamentals

Cyfrin Updraft

Credential ID: WLQLHJS1N0NW

Jan 2026

- Mastered decentralized oracles, data feeds, automation, VRF, CCIP, and real-world data integration in smart contracts

Foundry Fundamentals

Cyfrin Updraft

Credential ID: UWUWR87FH0FL

Jan 2026

- Specialized in Foundry testing framework, deployment scripting, contract verification, and advanced testing methodologies

Solidity Smart Contract Development

Cyfrin Updraft

Credential ID: B85FGDL4R1O3

Jan 2026

- Comprehensive training in smart contract architecture, Solidity fundamentals, security patterns, and production deployment

Blockchain Basics

Cyfrin Updraft

Credential ID: GAOU35T9NDPP

Oct 2025

- Foundation in consensus mechanisms, gas optimization, attack vectors, and Layer 2 scaling solutions

Data Structures & Algorithms (DSA with Java)

Apna College

Credential ID: 688b79d0a352a888230d4a67

2025

- Advanced DSA training covering algorithm design, complexity analysis, and problem-solving optimization techniques

AWS Cloud Practitioner Essentials

Amazon Web Services

Dec 2025

- AWS fundamentals including EC2, S3, Lambda, RDS, DynamoDB, cloud architecture, and security best practices

Oracle Cloud Infrastructure 2025 Certified Data Science Professional

Oracle

Credential ID: 102767083OCI25DSOCP

Oct 2025

- Data science workflows on OCI including data handling, machine learning, model deployment, and cloud analytics