

# MANISH KRISHNA KANDRAKOTA

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## Education

### Sreenidhi Institute of Science & Technology

Bachelor of Technology in Computer Science Engineering  
GPA: 8.3 (expected 8.5)

Hyderabad  
2022 - 2026

### Aakash Institute

High School Diploma  
Scored 97% - TS Board of Intermediate Education

Hyderabad, Telangana

## Experience

### RESEARCH & PUBLICATIONS

#### IEEE Xplore — Blockchain Crowdfunding Research (ICRISST 2024)

Bengaluru, India

- <https://ieeexplore.ieee.org/document/10921771>

- A Secure and Transparent Smart-Contract-Based Crowdfunding Model
- Designed and implemented a decentralized crowdfunding system (Ethereum + Solidity).
- With contributor voting, spending-request governance, and secure fund-release logic.
- Published results in IEEE Xplore.

### Technical Writing

Hashnode → <https://hashnode.com/@MANISH-K-07>

Medium → <https://medium.com/@MANISH-K-07>

### OPEN SOURCE CONTRIBUTIONS

#### Checkstyle — Static Analysis Tool (100+ merged PRs)

- Contributed extensively to one of the most widely used Java static analysis tools
- Improved rule consistency, test coverage, documentation, and code quality.
- Recognized by maintainers for consistent, high-quality engineering contributions.

## Projects (Repositories in GitHub)

Name	Description	Domain
CodeChecker	Java-based code linter with style and cyclomatic complexity checks	Program Analysis & Static Code Analysis
PyScope	A lightweight performance profiler for Python programs	Dynamic Program Analysis & Runtime Systems
SecureFlow	A static taint-analysis tool that detects when untrusted input flows into dangerous APIs.	Software Security & Vulnerability Analysis
NodeSync	Mini Fault-Tolerant Key-Value Store	Distributed Systems & Concurrency
Py2C	A mini Python-to-C optimizer, built from first principles	Compiler Design & Program Transformation
ModelTrace	A Research-Grade Framework for Inspecting, Debugging, and Stress-Testing Machine Learning Models	Machine Learning Systems & Model Interpretability

## Technical Skills

- **Programming Languages:** Java, Python, Solidity, C++, JavaScript, HTML
- **Tools:** Git, GitHub API, CI/CD, IntelliJ, VS Code, Maven, Docker
- **Blockchain:** Ethereum, Smart Contracts, Remix, MetaMask, Governance Models
- **Concepts:** OOP, System Design, Code Quality, Architecture, Business English