MANISH KRISHNA KANDRAKOTA

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Education

Sreenidhi Institute of Science & Technology
Bachelor of Technology in Computer Science & Engineering
GPA: 8.3 / 10.0 (Current; Expected Final ~8.5 / 10.0)

Hyderabad
2022 - 2026

Aakash Institute
High School (Science), Telangana State Board - 97%

Experience

RESEARCH & PUBLICATIONS

Charity with Clarity: Crowdfunding Using Smart Contracts
IEEE - ICRISST 2024 | indexed in IEEE Xplore
https://ieeexplore.ieee.org/document/10921771

Bengaluru, India

· 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.

Technical Writing
· Author of technical blogs on systems, security, and software engineering
Hashnode ↦ https://hashnode.com/@MANISH-K-07
Medium ↦ https://medium.com/@MANISH-K-07

OPEN SOURCE CONTRIBUTIONS

Checkstyle — Java Static Analysis Framework (100+ merged pull requests)
· 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

· **Languages:** Java, Python, Solidity, C++, JavaScript
· **Systems & Tools:** Linux, Git, Docker, Maven, CI/CD
· **Blockchain:** Ethereum, Smart Contracts, Governance Models
· **Core Areas:** Software Security, Scalable Systems, Business English (Pearson Certified)