MANISH KRISHNA KANDRAKOTA

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Education

Sreenidhi Institute of Science & Technology — Hyderabad
Bachelor of Technology in Computer Science Engineering — 2022 - 2026
GPA: 8.3 (expected 8.5)

Aakash Institute — Hyderabad, Telangana
High School Diploma
Scored 97% - TS Board of Intermediate Education

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 (GitHub @MANISH-K-07)

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