

ATUL GOVIND M E

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SUMMARY

Computer Science (Cyber Security) student with hands-on experience in reverse engineering, binary analysis, application security, network security, and Linux systems. Strong foundation in C, C++, Python, Java, operating systems, computer networks, and low-level program analysis. Experienced in security research, CTF challenge development, vulnerability analysis, and technical leadership, with experience conducting reverse-engineering workshops and mentoring juniors. Focused on understanding software behavior at both application and execution levels.

EDUCATION

B.Tech. — Computer Science and Engineering

Aug 2024 – May 2028

Specialization in Cyber Security

SRM Institute of Science and Technology, Kattankulathur

CGPA: 8.95/10

Relevant Coursework: Data Structures, Advanced Algorithms, Operating Systems, Distributed Systems, Database Systems, Computer Architecture, Computer Networks, Cryptography, Artificial Intelligence

EXPERIENCE

Cybersecurity Team Lead — Hack The Box Meetup, Chennai

October 2024 – Present

- Lead technical activities focused on reverse engineering, binary analysis, and cybersecurity education.
- Develop and review reverse-engineering CTF questions and machines for audiences of 400+ students and professionals.
- Conduct cybersecurity workshops focused on reverse engineering and teach juniors relevant concepts and techniques.
- Contribute to cybersecurity training and technical activities impacting 3000+ students and cybersecurity professionals.

Member — Satoshi Lab, Next Tech Lab

Apr 2024 – Present

SRM Institute of Science and Technology

- Participate in technical sessions covering Linux internals, reverse engineering, debugging, and computer networks.
- Contribute to systems programming and cybersecurity prototypes in collaborative technical environments.

PROJECTS

Custom Linux Debugger — C, ptrace, ELF

- Developed a Linux user-space debugger using `ptrace` to control and inspect running processes.
- Implemented software breakpoints, register and memory inspection, and execution tracing for low-level debugging.
- Integrated ELF parsing and process inspection to support executable analysis and debugging.

Multithreaded Password Recovery Tool — Java, MySQL

- Developed a multithreaded application for concurrent password recovery workloads using workload distribution and synchronization.
- Integrated MySQL to store candidate workloads and results, applying object-oriented design principles.
- Used concurrency and parallel execution techniques to improve processing efficiency.

SKILLS

Reverse Engineering: Static and Dynamic Analysis, Binary Analysis, Ghidra, Binary Ninja, GDB, IDA (Basic)

Systems: Linux, Windows, Operating Systems, Process Internals, ELF, Multithreading

Programming: C, C++, Python, Java, Bash, SQL, x86 Assembly

Networking & Security: TCP/IP, HTTP/HTTPS, Network Traffic Analysis, Application Security, Vulnerability Analysis, Secure Code Review, Vulnerability Management

Tools & Infrastructure: Wireshark, Burp Suite, Metasploit, Git, Docker

ACHIEVEMENTS

- **5th Place** — Amrita InCTF National Finals.
- **Top 30 Teams** — IIT Bombay TrustLab CTF, among 800+ participating teams.
- **21st Place** — H7TEX CTF Finals.
- **Internal Round Selection** — Smart India Hackathon.