

# Abin Shaji Thomas

Cybersecurity Student | SOC & Network Security Focus

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## PROFESSIONAL SUMMARY

B. Tech in Computer Science and Engineering with a specialization in Cybersecurity. Experience includes secure application development, network traffic analysis, and Linux-based systems, through internships, projects, and technical clubs. Seeking an internship in hands-on cybersecurity, with an emphasis on security operations or network security.

## EDUCATION

### Karunya Institute of Technology and Sciences, Coimbatore

2024-2028

B. Tech in Computer Science and Engineering (Cybersecurity)

CGPA: 9.2

### Infant Jesus English Medium School, Mavelikara

Secondary & Higher Secondary Education (Class 10 & 12)

## EXPERIENCE

### Cybersecurity Intern — The Red Users (Redynox)

May 2025 – June 2025

- Analyzed network traffic and identified anomalous patterns using Wireshark.
- Performed security testing on web applications using OWASP WebGoat and WebWolf.
- Worked on Linux-based systems and followed the ethical standards for security testing and analysis.

### Cybersecurity Virtual Intern — Cisco Networking Academy (AICTE)

June 2025 – August 2025

- Completed a virtual internship in cybersecurity through the Cisco Networking Academy program, under the AICTE program.
- Utilized Cisco Packet Tracer to simulate LAN and WAN setups and understand basic network security concepts
- Worked through modules on networking fundamentals and cybersecurity.

### Cybersecurity Intern (Project-Based) — Pinnacle Labs

May 2025 – June 2025

- Completed a project-based cybersecurity internship involving the development of security-related tools
- Implemented encryption and analysis utilities as part of assigned internship tasks
- Focused on secure coding practices and documentation while working on individual projects

### Cyber Security Club — Computer Innovation and Research Association

Mar 2025 - Present

#### Vice President | Technician

- Assisted in organizing cybersecurity workshops, CTF-style activities, and hands-on sessions for students
- Guided peers in using Linux environments and basic security tools during lab-based activities

## PROJECTS

### SecureVault Pro — Offline Password Manager (Java)

- Built a desktop password manager using Java with encrypted local storage for credentials
- Implemented password hashing, encryption, and basic security checks to improve password safety

### Phishing URL Detector

- Developed a Python-based tool to detect phishing links using heuristic checks and URL analysis
- Built a simple GUI to allow users to test URLs and view security-related indicators

### SecureText — Text Encryption Tool (AES, DES, RSA)

- Created a Python application to encrypt and decrypt text using common cryptographic algorithms
- Worked with key generation and handling while keeping the tool fully offline

## SKILLS

Programming & Scripting: Java, Python, C, Bash

Cybersecurity & Systems: Network Security, Web Application Security, Cryptography, Secure Coding

Security Tools & Labs: Wireshark, OWASP WebGoat, WebWolf, John the Ripper

Platforms & Environments: Linux (Kali, Ubuntu), Windows, Virtual Machines

Soft Skills: Analytical Thinking, Technical Communication