

# ADITYA RAJEEV PATIL

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LinkedIn GitHub TryHackMe

## EDUCATION

### Vellore Institute of Technology

B.Tech in Computer Science and Engineering, Specialization in Cyber Security and Digital Forensics

2022 - 2026

- CGPA: 8.47/10

## TECHNICAL SKILLS

- **Cybersecurity Expertise:** Penetration Testing, Network Forensics, Malware Analysis, Incident Response, Cryptography
- **Security Tools & Platforms:** Autopsy, Metasploit, Burp Suite, Wireshark, FTK, Splunk (SIEM), Maltego, Kali Linux, Nmap
- **Compliance & Standards:** ISO 27001, NIST SP 800-115, GDPR, CIS Controls, DPDP Act 2023

## WORK EXPERIENCE

### Cybersecurity Intern

Nov 2024 – Jan 2025

#### National Remote Sensing Centre (NRSC), ISRO, Hyderabad, India

- Authored technical report on anomaly detection
- AI-driven threat mitigation for satellite datasets integrated into NRSC-ISRO security research library under ISO 27001 compliance
- Conducted cyber risk analysis & incident trend reporting on classified remote sensing data
- Developed security assessment frameworks for data integrity validation

## PROJECTS

### VoteChain — Blockchain Voting DApp

Jan 2025 – May 2025

Tech Stack: Solana, Phantom Wallet, Rust (basic), Anchor Framework, Next.js, Web3.js, Cryptography, GDPR

- Led blockchain integration and access control; architected secure Phantom wallet authentication and cryptographic ballot submission, strengthening identity verification and voter privacy for 100+ simulated users
- Role-based authorization, and compliance alignment with ISO 27001 security standards to ensure tamper-proof, immutable voting records
- Delivered secure-by-design documentation, security onboarding, and deployment guidance, enabling team collaboration and stakeholder confidence in the platform's integrity

### Chakra Recon

Sept 2025

Tech Stack: (Python, Scapy , CLI, Linux ,Penetration Testing)

- Engineered a robust CLI tool for network reconnaissance and vulnerability assessment supporting ICMP, TCP, and ARP scanning
- Enables network administrators/security practitioners to enumerate hosts, open ports, and device presence
- Crafted with Scapy for advanced packet manipulation, supporting custom scan types, port ranges, and timeout configurations
- Outputs comprehensive scan reports, delivering actionable insights for network hardening

### Text-Encrypter

May 2025

Tech Stack: JavaScript, Cryptography (AES, DES, RSA), Client-side Security, Secure UI

- Built browser-based text encryption adhering to GDPR and (AES, DES, RSA) requirements for secure data handling
- Ensures strong, standards-based cryptographic routines with validated algorithm implementation
- Guarantees confidential client-side encryption, minimizing exposure and compliance risk for sensitive text data

## CERTIFICATIONS

- Certified Ethical Hacker (CEH), EC-Council
- Cybersecurity Analyst Professional Certificate, IBM
- Geo-Data Sharing and Cyber Security, ISRO

Dec 2024

Apr 2025

Feb 2024

## ACHIEVEMENTS & ACTIVITIES

- Top 3% Global Ranking on TryHackMe
- Canara Bank SuRaksha Cyber Hackathon 2025  
Finished in the Top 105 (top 2.6%) out of 4000+ teams nationwide.
- CTF 2024 — IIT Kottayam  
Achieved All-India Rank 51 in a national Capture The Flag competition.

2025

2024

## LEADERSHIP AND CAMPUS ENGAGEMENT

### President, Cyber Warrior Club, Vellore Institute of Technology

2024 - 2025

- Increased club membership by 30% by organizing tech talks and 3 Capture The Flag (CTF) challenges
- Secured 3 industry professionals to lead hands-on cybersecurity workshops for 80+ students
- Planned and executed a CTF event with 80 participants, improving campus-wide security awareness

### Event Management Lead, Marathi Club, Vellore Institute of Technology

2024 - 2025

- Managed logistics and operations for the annual Ganpati Festival, serving an attendance of 1000+ students
- Coordinated a 2-day cultural event, managing a team of 15 volunteers and all scheduling
- Acquired sponsorships to increase the annual event budget by 15%