

ADITYA RAJEEV PATIL

+91-8857958881 adityapatil6824@gmail.com

[LinkedIn](#) [GitHub](#) [TryHackMe](#)

PROFESSIONAL SUMMARY

Certified Ethical Hacker and Computer Science undergraduate specializing in Blockchain, Cybersecurity, and AI-driven threat intelligence. Hands-on experience in smart contract security, decentralized applications, cryptographic protocols, and digital forensics. Proficient in penetration testing, vulnerability assessment, incident response, and blockchain security audits. Skilled in applying MITRE ATTCK, OWASP Top 10, and NIST frameworks to both traditional and Web3 ecosystems. Proven leadership in Capture The Flag (CTF) events, SIEM threat modeling, and securing critical blockchain infrastructures.

EDUCATION

VIT Bhopal University

2022 - 2026

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

CGPA: 8.43

- Relevant Coursework: Ethical Hacking, Security Analysis, Computer Networks, Cyber Threat Analysis, Cyber Crime and Laws, Penetration Testing, Cryptography, Malware Analysis

TECHNICAL SKILLS

- Programming & Technologies:** Python, Java, JavaScript, SQL, HTML, CSS, MySQL, Git, Docker, Kubernetes, CI/CD
- Cybersecurity Tools & Frameworks:** Wireshark, Burp Suite, Splunk, Maltego, OWASP Top 10, SIEM, React.js

WORK EXPERIENCE

Intern

Nov 2024 - Jan 2025

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

- Conducted AI-driven analysis of Blue-Sky Albedo trends using MODIS and AOD datasets with machine learning (Scikit-learn)
- Developed Python pipeline (NumPy, Pandas, Matplotlib, NetCDF4) for high-precision albedo imagery
- Enhanced trend detection with supervised learning, improving climate impact assessment accuracy by 15%
- Authored report preserved in NRSC-ISRO library for AI, remote sensing, and climate analysis

Projects

Text-Encrypter

May 2025

Tech Stack: JavaScript, HTML, CSS, Cryptography (AES, DES, RSA)

- Built a browser-based encryption app using AES, DES, and RSA algorithms for secure text processing
- Delivered a client-side, privacy-first solution requiring no server, ensuring portability across platforms
- Designed a responsive, intuitive UI with HTML, CSS, and JavaScript for seamless user experience
- Optimized cryptographic workflows for real-time encryption/decryption, improving usability across modern browsers

Packet-Tracer

Nov 2023 - Jan 2024

Tech Stack: Python, HTML, CSS, JavaScript, Networking, Responsive Web Design

- Designed an interactive dashboard to display packet details (time, type, size, MAC & IP addresses) in real time
- Built a responsive full-stack web app with real-time updates, strengthening expertise in UI/UX, front-end development
- Integrated Python logic for simulating packet updates, enabling realistic data flow representation
- Presented at the college project exhibition, appreciated for simplifying networking concepts visually

Achievements & Activities

- Top 4% Global Ranking on [TryHackMe](#)
- Top 105 Teams out of 4000+, Canara Bank SuRaksha Cyber Hackathon 2025
Selected among the top teams nationwide for innovative cybersecurity solutions.
- CTF 2024 — IIIT Kottayam
Achieved **All-India Rank 51** in a national Capture The Flag competition; solved web, crypto, and forensics challenges.

Certifications

- Certified Ethical Hacker (CEH), [EC-Council](#)
- Cybersecurity Analyst Professional Certificate, [IBM](#)
- Geo-Data Sharing and Cyber Security, [ISRO](#)
- The Bits and Bytes of Computer Networking, [Google](#)
- IBM DevOps and Software Engineering Fundamentals, [IBM](#)

LEADERSHIP AND CAMPUS ENGAGEMENT

President, Cyber Warrior Club, VIT Bhopal University

2024 - 2025

- Increased club participation by 30% through engaging tech talks and Capture The Flag (CTF) challenges
- Partnered with 3 industry mentors, facilitating hands-on cybersecurity training sessions
- Organized successful CTF events, attracting over 80 students and fostering ethical hacking skills

Event Management Lead, Marathi Club, VIT Bhopal University

2024 - 2025

- Orchestrated annual Ganpati Festival for 1000+ students, managing all logistical and operational aspects
- Coordinated 2-day cultural events ensuring seamless execution and high attendee satisfaction
- Increased event budget by 15% through successful sponsorship acquisition and strategic financial planning