Aakash Modi

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Cybersecurity Analyst & Software Developer with hands-on ethical hacking, CTFs, and workshop experience. Skilled in network/OS security, vulnerability assessment, web-app testing, and development with Java, Python, React.js, and MySQL**.**

Cybersecurity Experience & CTFs **2025**

- Completed multiple TryHackMe CTF rooms and walkthroughs covering offensive and defensive topics (web app exploitation, network enumeration, privilege escalation, and forensics).
- Participated in hands-on workshops on Cybersecurity fundamentals and applied penetration testing methodologies, performed end-to-end vulnerability discovery and exploitation in lab environments.
- Performed reconnaissance, scanning, and enumeration using **Nmap**, **Gobuster**, **Nikto**, and manual techniques to discover attack surface and services.
- Conducted web application testing: identified and exploited **SQL Injection** and **Cross-Site Scripting (XSS)** vulnerabilities; used **Burp Suite** and **ZAP** for intercepting and testing requests.
- Performed vulnerability scans with **Nessus** / **OpenVAS**, triaged findings, and prepared prioritized remediation recommendations.

Software Engineer — PYQs Website **2024**

- Developed and deployed a dedicated web platform pyqsctuap.netlify.app to help students access and share Previous Year Question Papers (PYQs).
- Implemented features for **downloading and uploading** question papers, enabling collaborative knowledge sharing among students.

Workshops & Certifications

Cyber Security Workshop **Aug 2025**
Central Tribal University of Andhra Pradesh & Rapidskill
Hands-on training in cybersecurity concepts, including vulnerability assessment, penetration testing basics, and network security practices.

Microsoft Azure - Certificate of Participation (Networking & Security Fundamentals) **March 2024**

TryHackMe **Sept 2025**
Completed multiple CTFs and walkthroughs (Web Exploitation, Privilege Escalation, Network Enumeration)

Techniques

- Network & OS fundamentals (Linux & Windows)
- Vulnerability scanning & triage (automated tools + manual verification)
- Web attacks: SQLi, XSS, CSRF basics, session handling issues
- Binary/Memory basics and buffer-overflow concepts (lab proof-of-concept)
- Password cracking workflows (hash extraction, cracking tools, wordlists)
- Reconnaissance & OSINT for attack surface mapping
- Basic post-exploitation and secure cleanup of lab environments
- SIEM monitoring and reporting on security events.

Education

Bachelor of Science (B.Sc) in Artificial Intelligence **2025**
Central Tribal University of Andhra Pradesh | *Currently Pursuing (2nd Year)*

Intermediate (Class 12) **2023**
TNSSS, Sikkim | **2023** | C.G.P.A: 6.3

Matriculation (Class 10) **2021**
TNSSS, Sikkim | **2021** | C.G.P.A: 6.9

SKILLS & OTHER

Nmap · Wireshark · Metasploit · Burp Suite · OWASP ZAP · Nessus · OpenVAS · Nikto · Gobuster · Git · VS Code · IntelliJ IDEA · Postman · Java · Python · Bash · JavaScript · React.js · MySQL