

Vansh Visaria

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PROFILE

I am a cybersecurity engineer with hands-on experience in vulnerability assessment & penetration testing (VAPT) across web applications, enterprise networks, IoT devices, physical hardware, and OT environments. Skilled in Red Team operations, Active Directory exploitation, and security assessments of routers, firewalls, and industrial systems. Passionate about offensive security, threat intelligence, and helping organizations build resilient infrastructures against evolving cyber threats

EXPERIENCE

Cyber Secured India

March-June , 2024

Internship - VAPT

Worked on Vulnerability Assessment & Penetration Testing (VAPT) for web applications, performing reconnaissance, vulnerability analysis, and attack-surface assessments using industry-standard security methodologies and tools. Also contributed to OSINT-based security research and security-focused web solutions

COE CNDS Labs, VJTI

April 2025 - April 2026

Security Research Intern

Conducted Vulnerability Assessment & Penetration Testing (VAPT) on IoT devices, physical hardware, routers, firewalls, and enterprise network environments to identify security weaknesses and attack vectors. Worked on firmware extraction and analysis, service enumeration, exploitation research, and web interface security testing for embedded and industrial systems. Also conducted security assessment for the industrial devices and network protocols used in operational technology (OT) environments

KEY COMPETENCIES

- Penetration Testing
- System Configuration
- Web-Application Programming
- Linux Operator
- Network Security
- Excellent Communication Skills
- System and Network Troubleshooting
- Penetration Testing Tools Fluency
- Exceptional Organisational And Problem-solving Skills

PROJECTS

HackerZone - CTF Playground

Designed and developed a beginner-focused Capture The Flag (CTF) platform featuring practical cybersecurity challenges covering web exploitation, reconnaissance, cryptography, and penetration testing concepts. Built to provide an interactive environment for hands-on ethical hacking and cybersecurity skill development.

FortiChain: Physical Access Incident Response Framework

Designed and conceptualized a physical security incident response framework inspired from Endpoint Detection & Response (EDR) systems. The framework is aimed to detect, monitor and respond to unauthorized physical access attempts within critical infrastructure and enterprise environments using an automated AI-agents assisted centralized incident analysis and response mechanism in adherence with zero-trust architecture.

Red Team & Cybersecurity Home Lab Infrastructure

Built and managed a self-hosted Active Directory and virtualized cybersecurity home lab for practicing Red Team operations, privilege escalation, lateral movement, and post-exploitation techniques within enterprise-like environments. Simulated real-world attack and defense scenarios involving network monitoring, firewall configurations, and threat detection across Windows, Linux, and IoT-focused infrastructures.

EDUCATION

Bachelor of Technology

Majors: Cyber Security

Shah And Anchor Kutchhi Engineering College
2023-26

Higher Secondary School

Guru Nanak Khalsa College
2020-22

Secondary School

Orchids The International School
2013-19

PROFESSIONAL CERTIFICATONS

Certified Ethical Hacker v12 (CEH)

EC-Council

Certified Red Team Analyst (CRTA)

Cyberwarefare Labs

Certified Network Security Practitioner (CNSP)

Secops group

Cyber Security Analyst (C3SA)

Cyberwarefare Labs