KARTHIK P

Penetration Tester | Ethical Hacker | Security Researcher

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PROFESSIONAL SUMMARY

Results-driven Cybersecurity Penetration Tester and Ethical Hacker with hands-on expertise in network security, Active Directory exploitation, web application security, and vulnerability assessment. Experienced in identifying, exploiting, and reporting security weaknesses across Windows and Linux environments. Skilled in red team techniques, penetration testing methodologies, CTF machine development, and building vulnerable lab environments for security research and training.

WORK EXPERIENCE

Security Researcher & R&D Member | **Offenso Hackers Academy** | Calicut, Kerala   *2026 - Present*

- Worked as part of cybersecurity research and development team
- Designed and developed custom CTF machines and vulnerable lab environments used by students for hands-on offensive security training.
- Researched real-world CVEs and mapped them to practical exploitation exercises across web applications, network infrastructure, and Active Directory.
- Built internal security tools and automation scripts to streamline penetration testing workflows and lab infrastructure management.

TECHNICAL SKILLS

Offensive Security: Ethical Hacking, Web Application Pentesting, Network Pentesting, Active Directory Pentesting

Soft Skills: Problem-Solving, Analytical Thinking, Technical Writing, Teamwork, Attention to Detail

Scripting : Python, Bash

Tools: Nmap, Metasploit Framework, Wireshark, Hashcat, Nuclei, Nessus, Burpsuite, Hydra, Impacket, SQLmap, NetExec, CrackMapExec, Kerbrute, Mimikatz, Rubeus, Aircrack-ng, Feroxbuster, FFUF, LinPeas, WinPeas, Arjun, Subfinder,

CERTIFICATIONS

- Advanced Diploma in Information Security (ADIS)
- CompTIA PenTest+ (In Progress)

EDUCATION

Plus Two - Computer Science   *IHRD Vazhakkad, Kerala*

2023 – 2025

REFERENCES

Razim Mehaboob - Head Trainer, Offenso Hackers Academy
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