

# KARTHICK V

Network Engineer & Cybersecurity Analyst

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## PROFESSIONAL SUMMARY

Motivated Networking and Cybersecurity professional with 1+ year of hands-on experience in vulnerability assessment, penetration testing, real-time traffic analysis, and cloud deployment. Skilled in securing networks, scanning web applications, identifying vulnerabilities, and creating mitigation plans. Experienced with AWS, Nmap, Nikto, Gobuster, Wireshark, Cisco Packet Tracer, and Kali Linux. Strong analytical thinker with the ability to collaborate with cross-functional teams and deliver projects within deadlines. Passionate about cybersecurity, cloud technologies, and automation.

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## KEY SKILLS ACQUIRED FROM PROJECTS

- **Networking:** VLAN setup, DHCP, subnetting, routing (RIP/OSPF), firewall rules, router/switch configuration, LAN/WAN, VPN concepts.
  - **Cybersecurity:** Vulnerability assessment, penetration testing, directory/subdomain enumeration, packet inspection, incident response, exploit identification.
  - **Cloud (AWS):** S3 hosting, CloudFront CDN, Route 53 DNS, IAM security, EC2 deployments.
  - **Tools Mastered:** Nmap, Nikto, Gobuster, Wireshark, Burp Suite, Kali Linux, VirtualBox, Bettercap, Cisco Packet Tracer
  - **Professional Competencies:** Technical report writing, documentation, time management, communication, quick learning.
  - **Programming & Creative Development:** Front-end vibe-based UI designing (unique UI/UX sense, modern theme selection)
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## KEY ACHIEVEMENTS

- Identified and documented multiple high-risk vulnerabilities in real client websites.
  - Reduced manual scanning time by automating scan workflows.
  - Improved security posture of applications by recommending remediation steps.
  - Successfully delivered project presentations to clients and internal teams.
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## PROFESSIONAL EXPERIENCE

**Trainee** — Networking & Cybersecurity Analyst

**ISR Tech ORG**, Chennai

**Duration:** 1 year 1 month

- Performed vulnerability assessments and penetration testing.
  - Conducted website scanning, packet analysis, and threat detection.
  - Prepared technical reports and mitigation suggestions.
  - Assisted with Linux server configuration and troubleshooting.
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## KEY CLIENT PROJECTS

**1. Website Scanning Using Nmap — Visitech Eye Centre (visitecheyecentre.com)**

**Tools:** Nmap, NSE Scripts

- Identified open ports, running services, OS detection, and vulnerability reporting.

## 2. Directory Enumeration — ThemingIdeas (themingideas.com)

**Tools:** Gobuster

- Discovered hidden directories (/admin, /backup, /config) and recommended security fixes.

## 3. Nikto Web Server Scanning — Pind Balluchi (pindballuchi.com)

**Tools:** Nikto

- Detected outdated web server software, missing headers, and insecure HTTP methods.

## 4. Real-Time Traffic Monitoring — Moschell Construction

**Tools:** Wireshark

- Captured and analyzed live network packets to detect anomalies and SYN flood patterns.
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## ADDITIONAL PROJECTS

- Hosted secure static website on **AWS (S3 + CloudFront + Route 53 + IAM)**
  - MITM simulation using **Bettercap + Wireshark**
  - VLAN and hotel network simulation using **Cisco Packet Tracer**
  - Subdomain + DNS Enumeration using **Gobuster & Nmap**
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## TRAINING & EDUCATION

- **AWS Cloud Computing** — Self-learning (EC2, S3, IAM, VPC, RDS, CloudFront, Route 53, Cloud-Watch)
  - **Bachelor of Commerce (B.COM)** — Thiruvalluvar University
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## CERTIFICATIONS

- Cyber Security Certification — **ISR Tech ORG** (2025)
  - Networking Certification — **ISR Tech ORG** (2025)
  - Cybersecurity Foundation — **Tech Mahindra Foundation** (2025)
  - Python Programming — **GUVI** (2023)
  - Microsoft Digital Safety & Office 365 — **Naan Mudhalvan** (2023)
  - Typewriting — **English Senior Grade** (2021)
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## TOOLS & TECHNOLOGIES

Nmap | Nikto | Gobuster | Burp Suite | OWASP ZAP | Metasploit | OpenVAS | Wireshark | Bettercap | sqlmap | Hydra | John the Ripper | Hashcat | Aircrack-ng | Netcat | Tcpdump | Kali Linux | Windows | VirtualBox | VMware | Docker | Git | Python | Bash | AWS (EC2, S3, Route53, IAM, CloudFront) | Cisco Packet Tracer | MySQL

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## DECLARATION

I hereby declare that the above furnished information is accurate and true to the best of my knowledge.

**Place:** Chennai

**Date:**

**KARTHICK V**