Ohmkar Nath T

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Summary:

Results-driven Cyber Security Researcher with expertise in penetration testing, vulnerability management, and threat intelligence. Adept at utilizing industry-leading tools to enhance security posture. Strong analytical and problem-solving skills with a commitment to securing digital assets.

Technical Skills:

- **Network Security**
- **Threat Intelligence & Incident Response**
- **Ethical Hacking & Penetration Testing**
- **Digital Forensics & Malware Analysis**
- **Cloud Security & Compliance**
- **Risk Assessment & Vulnerability Management**
- **Google Dorking & OSINT**

Tools:

- **Network Analysis:** Wireshark, Zeek
- **Penetration Testing:** Burp Suite, Metasploit, Nmap
- **Forensics & Malware Analysis:** Autopsy, Volatility, IDA Pro
- **Programming & Scripting:** Python, Bash, PowerShell
- **SIEM Tools:** Splunk,

PROFESSIONAL EXPERIENCE

Junior Cyber Security Researcher
RedTeam Hacker Academy

January 2025 - Present

Roles & Responsibilites:

- Conduct training sessions on ethical hacking, penetration testing, and cybersecurity best practices, covering courses such as CPT, ADCD, CICSA, and SOC.
- Stay updated on emerging cyber threats, vulnerabilities, and mitigation techniques.
- Develop and conduct workshops, webinars, and hands-on labs to enhance practical learning.
- Assist in research and development of new cybersecurity tools and techniques.
- Provide consultancy and advisory support on security implementations.
- Collaborate with teams to implement security measures and best practices.

CERTIFICATIONS

Certification in SOC Analysis V1 – EC Council
Certified Penetration Tester – Red Team Hacker Academy

EDUCATION:

M.Sc. Cyber Security
National Forensic Science
University | 2022 - 2024

Bachelor of Computer Application
St. Xavier's Arts & Science
College | 2018 – 2021

PROJECTS:

- **Cookie Encryption for Secure Sessions**
  Developed a robust AES-256 GCM encryption model to enhance cookie session security, mitigating session hijacking threats. Ensured data integrity, confidentiality, and authentication to bolster web application security.
- **Proactive Identification and Analysis of Terrorist Activities on the Dark Web**
  This project focuses on identifying and analyzing potential terrorist activities against India on the dark web. It systematically crawls hidden websites to extract, process, and analyze data, detecting suspicious content and patterns. The tool applies advanced techniques to assess sentiment, detect anomalies, identify key entities, and extract relevant topics. By providing actionable intelligence, it aids in proactive threat detection and supports national security efforts.