SANAL LINCE

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Cybersecurity professional with hands-on experience in penetration testing, vulnerability assessments, and IT auditing. Passionate about identifying security threats, strengthening system security, and ensuring compliance with industry standards.

**EXPERIENCE:**

Total Experience – 2.6 Years

**Penetration Tester | Deputy Manager**

Manappuram Finance Ltd, Thrissur **|** November 2023 **–** Present

* Executing VAPT audits at Manappuram Finance Limited, examining digital platforms and detecting potential security vulnerabilities.
* Conducted Vulnerability Assessment and Penetration Testing (VAPT) for web and mobile applications (Android).
* Conducted security assessments on authentication mechanisms, including Multi-Factor Authentication (MFA).
* Evaluated and improved access control policies using Role-Based Access Control (RBAC) and least privilege principles.
* Identified misconfigurations in Active Directory (AD), reducing privilege escalation and unauthorized access risks.
* Used tools like Burp Suite Pro, OWASP ZAP, Nessus, Nmap, Frida, and Wireshark.
* Experienced in identifying and addressing all types of security vulnerabilities.
* Cryptography: Encryption and Decryption Techniques

**Cyber Security Researcher and Trainer | Assistant Manager**

Ehackify Cyber Security Research and Trainings **|** May 2022 **–** April 2023

* Conducted Cybersecurity Certification Training for Students and Professionals
* Designed and Maintained Capture the Flag (CTF) Challenges for VAPT and Network Security Training
* Researched emerging cyber security threats and shared findings at industry conferences to raise awareness and share best practices
* Stayed up to date with the latest security information and Hands on experience in IOT devices
* Researched current information technology security trends to improve security measures
* Developed and Implemented Security Awareness Programs for Organizations and Students
* Completed Vulnerability Assessment and Penetration Testing for Third party clients
* Supported CyberDom (Kerala Government Private investigator) for prevent cyber-crimes

**KEY SKILLS:**

* Penetration Testing: Web Application, Mobile Application, Wireless Security (Network), Active Directory Security
* Cryptography & Security Controls: Encryption and Decryption Techniques
* Bug Bounty, TryHackMe, HacktheBox, Red Teaming
* OWASP Top 10 & MITRE ATT&CK Framework
* Linux & Bash Scripting, Phishing
* Google Dorking

**CERTIFICATIONS:**

* Certified Red Team professional (CRTP) – Pentester Academy
* Official ISC2 CC Certification – ISC2
* Certified Ethical Hacking Essentials (CHE) – EC Council
* ISO 27001:2022 ISM – Securium Academy

**TOOLS:**

Burp Suite, Nessus, Nmap, Metasploit, Frida, Objection, SET Kit

Wireshark, ADB Tools, MobSF, Genymotion, SQL Map, Nuclei, Jadx

OWASP ZAP, Frida, OSINT Frameworks, BXSS Hunter, PowerShell, Fuzzing

**EDUCATION:**

* Bachelor of Science Cyber Forensics **|** Mahatma Gandhi University **|** 2018 – 2021

**PROJECTS:**

**Remote Administration Tool (RAT)**

Developed and analyzed RAT malware that allows unauthorized remote access to compromised systems

Studied attack vectors and mitigation techniques to prevent unauthorized access

**Exfiltrating Data from Air-Gapped Systems**

Researched and demonstrated covert techniques to extract data from isolated systems

Explored methods such as electromagnetic emissions and optical data transfer

**COMMUNITY INVOLVEMENT:**

**Cyber Dom**

Educated individuals on cyber security risks and social media threats

Provided technical assistance to Kerala Police on private cyber crime cases

**Defcon Cochin (DC910484)**

Conducted workshops on cyber security threats and hacking methodologies

**LANGUAGE:**

English – Read, Write, Speak

Malayalam – Mother Tounge