

Ho Vi Khanh

Information Security

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ABOUT ME

As a third-year Information Security student at UIT (VNU-HCM) and member of Inseclab's teamQ, I specialize in offensive and defensive security with expertise in penetration testing. I am seeking an internship to enhance my practical cybersecurity skills in a professional environment while contributing meaningful value to the organization.

WORK EXPERIENCE

Student Researcher

August 2023 – Present

University of Information Technology – VNU-HCM (UIT)

- Developed a Python-based tool to **detect macro malware** in Office documents. Integrated olevba to extract VBA code, applied heuristic scoring based on obfuscation patterns, and used YARA rules to detect VBA purging.
- Participated in building and testing multiple labs related to **OWASP Top 10** (e.g., SQLi, XSS, SSRF, Command Injection). Automated reconnaissance using Python, VirusTotal API, and Nmap. Conducted SSRF analysis using PortSwigger Academy.
- Research member of teamQ (InSecLab) since Aug 2023. Contributed to two research topics: LLM+RL-based fuzzing for Smart Contracts and G-FLEX – a graph-based transformer framework for **detecting fileless malware**.

PROJECTS

- **Macro Malware Detection Tool** – Developed a tool to detect malicious Office macros by extracting VBA code using olevba, scoring obfuscation patterns (e.g., Chr(), XOR), and identifying VBA purging via YARA rules.
Role: Malware detection (code analysis module)
Tech stack: Python, olevba, YARA
Code: [GitHub](#)
- **Web Pentest Labs** – Practiced and documented OWASP Top 10 exploits including SQLi, XSS, and SSRF. Used DVWA and PortSwigger Labs to simulate real-world attack scenarios and analyze server behavior.
Tech stack: DVWA, Burp Suite, PortSwigger
Code: [Lab](#), [SSRF](#)
- **Recon Automation Toolkit** – Developed Python scripts to automate reconnaissance tasks: subdomain enumeration via VirusTotal API, IP resolution, and Nmap port scanning.
Tech stack: Python, VirusTotal API, Nmap
Code: [GitHub](#)

EDUCATION

University of Information Technology (UIT)
Information Security

Linh Trung Ward, Ho Chi Minh City, Vietnam
September 2022 - Present

CERTIFICATES

Ethical Hacker

Cisco Networking Academy

[Link](#)

01/2025

TECHNICAL SKILLS

Operating Systems: Kali Linux, Ubuntu, Windows
Pentest Skills: OWASP Top 10, SQLi, XSS, Command Injection
Tools: Burp Suite, Git, Docker, Nmap
Programming: Python, Bash