Waris Damkham

Junior Penetration Tester | CAPenX | CNPen | CAPen | CAP

Bangkok, Thailand • waris.dam@outlook.com • +66 63- 954-4447 • LinkedIn: https://www.linkedin.com/in/waris-damkham/

ABOUT ME

Penetration Tester who graduated in Software Engineering major, specializing in Linux, Cybersecurity, DevOps, and AI. I perform penetration tests and vulnerability assessments for software, mobile, and web applications, following OWASP guidelines. I've led projects on OAuth 2.0 vulnerabilities and AI-based COVID-19 frameworks, which resulted in conference presentations and published research. Seeking a full-time position. Explore my work at **https://waris-damkham.netlify.app**

SKILLS

Programming Languages: JavaScript, Python, Java, C, Bash
Web Development: HTML, CSS, React, Node.js, Flask, Spring Boot
DevOps & QA Testing: Docker, GitHub Action, Selenium, pytest
Security & Authentication: OAuth2.0, OWASP, Tor Network
Deployment & Version Control: Firebase, AWS EC2, Nginx, Git
Artificial Intelligence: Machine & Deep Learning
Penetration Testing: Kali Linux, Burp Suite, Nmap, Metasploit
Language: Thai (Native), English (Intermediate)

EXPERIENCE

PENETRATION TESTER — **ALPHASEC, Bangkok, Thailand**
Full-Time — **JUN 2024 – PRESENT**

- As a Penetration Tester, I conduct thorough penetration testing to assess IT infrastructure security, targeting vulnerabilities in systems, applications, and user behaviors. I perform security and vulnerability assessments for software, mobile, and web applications, providing actionable recommendations and detailed analysis per OWASP guidelines.

PENETRATION TESTER — **KPMG, Bangkok, Thailand**
Internship — **JAN 2024 – APR 2024**

- As a Penetration Tester intern at KPMG, I focus on learning about vulnerabilities and assisting in conducting security assessments for software, mobile, and web applications. I apply the OWASP guidelines for analysis and reporting, and conduct vulnerability assessments with Nessus on KPMG's internal network.

RESEARCH INTERN — **Ritsumeikan University, Shiga, Japan**
Project Title: Detecting Vulnerable OAuth 2.0 Implementations in Android Applications — **MAY 2023 – JULY 2023**

- Analyzed OAuth 2.0 vulnerabilities in Android apps, emphasizing CSRF attacks, and developed an app to examine OAuth 2.0 protocols, proposing enhancements for improved security.
- **Publication:** Presented at the 23rd IEEE International Conference on Software Quality, Reliability, and Security, 2023.

RESEARCH INTERN — **National Central University, Taoyuan, Taiwan**
Project Title: Automated COVID-19 Screening Framework Using Deep Convolutional Neural Network with Chest X-Ray Medical Images — **JUNE 2022 – JULY 2022**

- Pioneered an AI-based COVID-19 diagnostic system with chest X-rays, employing transfer learning for enhanced accuracy and Grad-CAM for model transparency, aiding in rapid and precise pandemic response.
- **Publication**: Presented at The 6th International Conference on Information Technology (InCIT2022)

EDUCATION

MAHIDOL UNIVERSITY — **Thailand**
Bachelor of Science (B.S.): Information and Communication Technology (International Program) — **2020 – 2024**

PROJECTS

CHICKENME: CLASSIFICATION OF CHICKEN DISEASES FROM FECAL IMAGES VIA LINE OFFICE ACCOUNT — **AUG 2023 - MAY 2024**
ChickenME is a deep learning tool for poultry disease detection. It uses YOLOv5 for fecal image detection with 87.10% precision and ResNet50 for classifying health categories with 84% accuracy. Trained on 10,500 Zenodo images and integrated with LINE OA.

SENYAI'S WORLD VIA TOR NETWORK — **OCT 2023**
Executed a darknet technology project by hosting a website on the Tor network using AWS EC2. Managed server setup on Ubuntu, configured Tor, and ensured .onion domain accessibility. Included GitHub Action for automated site availability checks.

SECURED AUDIO PLAYER WITH ENCRYPTION AND DECRYPTION FUNCTIONS — **MAR 2023 – APR 2023**
Developed a web-based audio player with integrated encryption and decryption. Hosted on Firebase, the application supports secure playback and storage of raw audio files, like *.wav, using automatic encryption for saving and decryption during playback.