

# Waris Damkham

**Junior Penetration Tester | CBBH | CMPen-Android | CAPenX | CNPen | CAPen | CAP**

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## 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

**Deployment & Version Control:** Firebase, AWS EC2, Nginx, Git

**Web Development:** HTML, CSS, React, Node.js, Flask, Spring Boot

**Artificial Intelligence:** Machine & Deep Learning

**DevOps & QA Testing:** Docker, GitHub Action, Selenium, pytest

**Penetration Testing:** Kali Linux, Burp Suite, Nmap, Metasploit

**Security & Authentication:** OAuth2.0, OWASP, Tor Network

**Language:** Thai (Native), English (Intermediate)

## EXPERIENCE

### CYBERSECURITY CONSULTANT - 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.