

Waris Damkham

Information and Communication Technology Student, Mahidol University

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ABOUT ME

Software engineering student specializing in Linux, Cybersecurity, DevOps, and AI. Led pivotal projects exploring OAuth 2.0 vulnerabilities and developing an AI-based COVID-19 framework, which resulted in conference presentations and published research. Seeking a full-time position. Explore my portfolio and additional projects at <https://waris-damkham.netlify.app>

SKILLS

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

EXPERIENCE

PENETRATION TESTER

KPMG, Bangkok, Thailand

Internship

JAN 2024 – Present

- 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 using tools in Kali Linux and Burp Suite. 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 Workshop on Cyber Forensics, Security, and E-discovery, as part of 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 – Present

PROJECTS

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.

CERTIFICATIONS

Certified AppSec Practitioner (CAP) | The SecOps Group

02/2024

Open Source Software Development, Linux and Git Specialization | Coursera

09/2023

Google Cybersecurity Certificate | Coursera

06/2023

CYBERSECURITY PLATFORM ACHIEVEMENTS

Hack The Box [Hacker]

2023 – Present

TryHackMe [0x9 | OMN1]

2022 – Present