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

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

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

Artificial Intelligence: Machine & Deep Learning

Databases/Search Engines: MongoDB, MySQL, Elasticsearch

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

Penetration Testing: Kali linux, OWASP, Burp Suite, nmap

Data Security: Cryptography, Encryption Algorithms, OAuth2.0

Operating Systems: Windows, macOS, Linux, Bash, Zsh

Language: Thai (Native), English (Intermediate)

EXPERIENCE

PENETRATION TESTER   **KPMG, Bangkok, Thailand**

Internship   **JAN 2024 – Present**

- At KPMG as a Penetration Tester intern, I assisting in software and web application security assessments using Kali Linux and Burp Suite, apply OWASP for analysis, and conduct vulnerability assessments with Nessus on internal networks.

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 - 2024**

PROJECTS

JELLY-TRANSLATOR - TRANSLATION WEB APP   **OCT 2023 – DEC 2023**

Developed and managed a software project using Scrum, encompassing requirement planning with user stories, coding, and a testing strategy Unit, System, and Automated tests. Integrated CI with GitHub and utilized Robot Framework and pytest for testing.

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.