

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, resulting in conference presentations and published research. Seeking an internship or 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 & Testing:** Docker, GitHub Action, Selenium, pytest
Security Analysis: Wireshark, OWASP, Burp Suite, nmap **Data Security:** Cryptography, Encryption Algorithms, OAuth2.0
Operating Systems: Windows, macOS, Linux, Bash, Zsh **Language:** Thai (Native), English (Intermediate)

EXPERIENCE

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.

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.