

# Waris Damkham

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## About Me

Offensive Security Engineer and AI Security Researcher with hands-on experience in web, mobile, API, and network penetration testing, red team engagements, and security automation. **Black Hat Asia 2026 Arsenal Speaker** and **15 × CVE contributor**. I deliver offensive assessments and build automation to improve response efficiency and executive visibility. My research spans AI-driven diagnostics, OAuth 2.0 vulnerabilities in Android applications, and applied identity and access security, with work presented at IEEE QRS, InCIT, and TENCON. Holder of 20+ industry certifications, including OSCP, PNPT, CPTS, CRTP, eWPTX, and BSCP.

## Skills

**Programming Languages:** JavaScript, Python, Java, Bash

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

**DevOps & CI/CD:** Git, Docker, GitHub Actions, Jenkins

**Security Tools:** Kali Linux, Burp Suite, Nmap, Nessus, Wireshark, Metasploit, MobSF, OpenVAS, NamicSoft, SysReptor

**Cloud & Infrastructure:** AWS, Azure, GCP, Huawei Cloud

**Artificial Intelligence:** Machine & Deep Learning

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

## Experience

**Offensive Security Engineer**, KASIKORN Business-Technology Group – Bangkok, Thailand     Nov 2024 – Present

- Delivered 38 penetration tests across annual assessments and major-change projects, and contributed as a core member of advanced Red Team engagements, translating findings into remediation actions.
- Produced 30+ executive and technical summaries and delivered 24 security briefings (18 Penetration Testing: 15 Thai / 3 English; 6 Red Team), aligning stakeholders on risk impact, priorities, and action plans.
- Led AI pentesting and AI security workstreams across readiness, research, and automation tooling, using OWASP LLM Top 10 to translate emerging risks into actionable guidance and presentation-ready materials.
- Led PwnDoc-ng implementation, achieving 50% reduction in operational effort and 25% reduction in review workload, and drove reporting standard upgrades through 2025 report redesign and issue write-up rewrites aligned with modern security standards.
- Built security automation to scale recurring operations, including monthly subsidiary reporting extraction (34.7% manual-effort reduction), email-driven Critical CVE follow-up ( $\geq 50\%$  time reduction and  $\geq 80\%$  mitigation artifact tracking), and BitSight WAS daily scan automation supporting a BitSight rating of 800.

**Cybersecurity Consultant**, ALPHASEC – Bangkok, Thailand     Jun 2024 – Oct 2024

- Performed penetration testing across Web, Mobile, and Infrastructure platforms for 16 projects, delivering remediation-focused reports aligned with OWASP and industry standards to strengthen clients' security posture.

**Cybersecurity Consultant Intern**, KPMG – Bangkok, Thailand     Jan 2024 – Apr 2024

- Supported 3 security projects: Penetration Testing, AppSec reviews, and Vulnerability Assessments.
- Applied OWASP & Nessus to assess internal systems and secure web apps by identifying vulnerabilities.

**Research Intern**, Ritsumeikan University – Shiga, Japan     May 2023 – July 2023

**Project Title:** Detecting Vulnerable OAuth 2.0 Implementations in Android Applications

- 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.
- Presented at the 23rd IEEE International Conference on Software Quality, Reliability, and Security (QRS 2023).

**Research Intern**, National Central University – Taoyuan, Taiwan     June 2022 – July 2022

**Project Title:** Automated COVID-19 Screening Framework Using a Deep CNN with Medical Chest X-Ray

- Developed an AI-based COVID-19 diagnostic system using chest X-rays, applying transfer learning for improved accuracy and Grad-CAM for interpretability, supporting rapid clinical decision-making.
- Presented at the 6th International Conference on Information Technology (InCIT 2022).

## Education

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Mahidol University, Thailand

Aug 2020 – May 2024

Bachelor of Science (B.S.): Information and Communication Technology (International Program)

## Publications

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**Practical Mobile Based Services for Identification of Chicken Diseases from Fecal Images**

Mar 2025

Piyanuch S., Ananta S., **Waris D.**, Pattanan K., Kanokpitch S.

10.1109/TENCON61640.2024.10902790

**Detecting Vulnerable OAuth 2.0 Implementations in Android Applications**

Feb 2024

**Waris D.**, Shingo K., Songpon T., Tetsutaro U.

10.1109/QRS-C60940.2023.00024

**Automated COVID-19 Screening Framework Using Deep CNN With Chest X-Ray Medical Images**

Mar 2023

**Waris D.**, Tipajin T., Akara S., Jidapa K., Pattanasak M., Jja-Ching W.

10.1109/InCIT56086.2022.10067528

## Projects

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**Oblivion Token: M365 Conditional Access Policy Bypass OST (Offensive Tooling)**

- Built an offensive research utility for practical, repeatable, and scriptable Microsoft 365 Conditional Access (CAP) policy-bypass testing, systematizing token-centric workflows to exercise edge cases and validate enforcement gaps across Microsoft first-party applications.
- Selected for Black Hat Asia 2026 Arsenal (Cloud Security Track).

**CHICKENME: Classification Of Chicken Diseases From Fecal Images Via Line Office Account**

- Developed a mobile-based service for poultry farmers to diagnose common chicken diseases from fecal images via a Line account, achieving 86.49% segmentation precision and 95.93% classification accuracy.
- Presented at IEEE Region 10 Conference 2024 (TENCON 2024).

## Selected Certifications

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Cyber Security 101 (SEC1)	Feb 2026
OffSec Certified Professional+ (OSCP+)	Oct 2025 - Oct 2028
OffSec Certified Professional (OSCP)	Oct 2025
Hack The Box Certified Junior Cybersecurity Associate (CJCA)	Sep 2025
Junior Penetration Tester (PT1)	July 2025
Practical SOC Analyst Associate (PSAA)	July 2025
Cloud Digital Leader Certification (CDL)	June 2025 - June 2028
API Security Certified Professional (ASCP)	May 2025
APIsec Certified Practitioner (ACP)	Apr 2025
Web Application Penetration Tester eXtreme (eWPTX)	Mar 2025 - Mar 2028
Practical Network Penetration Tester (PNPT)	Feb 2025
Hack The Box Certified Penetration Testing Specialist (CPTS)	Jan 2025
Certified Red Team Professional (CRTP)	Dec 2024 - Dec 2027
Burp Suite Certified Practitioner (BSCP)	Dec 2024 - Dec 2030
Practical Mobile Pentest Associate (PMPA)	Nov 2024
Certified AI/ML Pentester (C-AI/MLPen)	Nov 2024
GitHub Foundations (GHF)	Sep 2024 - Sep 2027
Hack The Box Certified Web Exploitation Specialist (CWES)	Aug 2024