

Tawan Pingma

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Summary

Telecommunications and Network Engineering student at KMITL with a strong specialization in Cybersecurity and Web Development. Experienced Capture the Flag (CTF) competitor, team lead, and developer skilled in React Native, PHP, and python scripting. Proven track record of high placement in national cybersecurity competitions and academic project awards.

Education

B.Eng.	King Mongkut's Institute of Technology Ladkrabang (KMITL), Telecommunications and Network Engineering	Bangkok, Thailand June 2026 – present
	Specializing in telecommunications networks, communication systems, and cyber security concepts.	
High School Diploma	Lampang Kanlayanee School, Science-Mathematics (SMTE Program)	Lampang, Thailand May 2022 – Mar 2025
	Completed the Science, Mathematics, Technology, and Environment (SMTE) Gifted Program.	

Key Training and Experience

National Cyber Security Agency (NCSA), Cybersecurity CTF Bootcamp Trainee	Northern Region, Thailand Apr 2025 – May 2025
- Selected as one of 50 regional candidates for an intensive cybersecurity bootcamp led by Siam Thanat Hack. - Won 2nd Runner-up (3rd Place) in the regional Mini CTF competition. - Developed practical skills in Web Application Security, Cryptography, Reverse Engineering, Digital Forensics, Pwnable, and Network Security.	
Thammasat University (Lampang Center), HPC Supercomputing Trainee	Lampang, Thailand Mar 2025 – Mar 2025
- Participated in the High-Performance Computing (HPC) ecosystem training program. - Gained experience using the LANTA Supercomputer for deep learning training and fine-tuning open-source LLMs.	

Projects

LksBrightSteps (Mobile App)	May 2024 – Mar 2025
- Led a development team to build a mobile application for tracking and sharing behavioral data of children with learning disabilities with parents/doctors. - Developed the React Native frontend, PHP backend, and MySQL database, hosting assets on AWS. - Qualified for the national presentation round of the 27th National Software Contest (NSC) 2025 and won the Gold Medal at the Northern Region SMTE Academic Project Presentation.	
Timeless of Lampang (Educational Game)	May 2023 – Mar 2024
- Led the historical game development project to promote Lampang local history to youth using Unity and C#. - Programmed the gameplay logic and managed art asset coordination. - Presented the completed game at the 26th National Software Contest (NSC) 2024.	
Smart Toilet IoT System	June 2023 – Sept 2023
Built an intelligent toilet prototype using Arduino, PictoBlox, and machine learning models for user recognition and automated response.	

Honors and Awards

- Honorable Mention & 2nd Place Individual (out of 44 contestants) — CoE@PSU CTF 2025 (Jeopardy CTF).
- Ranked 66th (Team, out of 518) and 56th (Individual, out of 1,319) — Thailand Cyber Top Talent 2025.
- Gold Medal (1st Runner-up) in Web Applications — 72nd Student Arts and Crafts Competition 2024.
- Gold Medal (Winner) in Web Applications — 71st Student Arts and Crafts Competition 2023.

Volunteering and Extracurriculars

- Active volunteer in community services: built check dams, cleaned temple stairs at Wat Phra That Doi Phra Chan, and organized interactive activities at the Lampang School for the Blind.
- Student guide and exhibition presenter at Lampang Kanlayanee School Library.
- Awarded Sportsman of the Year (คนดีศรีกีฬา) by classmates as a high school volleyball athlete.

Skills

Security & Tools: Web Security, Cryptography (HMAC, Affine Cipher), Digital Forensics, OSINT, Pwnable, Reverse Engineering, Kali Linux, Aircrack-ng, ExifTool

Programming: Python (CTF scripting), JavaScript, React, React Native, PHP, C#, HTML/CSS, SQL (MySQL)

Hardware & Systems: Arduino, Raspberry Pi, Git, XAMPP, Supercomputer LANTA (HPC), Unity

Languages: Thai (Native), English (Basic-Intermediate)