

# PANNAWIT KRUTNAK

Full-Stack Developer & AI/ML Engineer

amteamxmail@gmail.com pwteam.site

## EXPERIENCE

### MUICT DEV-CLUB — Mobile Frontend Developer

Faculty of ICT, Mahidol University | Sep 2024 - Present | Thailand

- Developed and deployed mobile applications in Flutter using Clean Architecture, enhancing maintainability and scalability for faculty projects
- Created an engaging event promotion website for the MUICT Open House, increasing participant registration and visibility
- Collaborated as Agile scrum leader to deliver projects on time, improving team efficiency and iterative development processes

### Biomedical Informatics Research Lab — Junior Research Assistant

Faculty of ICT, Mahidol University | Aug 2024 - Present | Thailand

- Designed and implemented a web platform to deploy AI solutions, providing researchers with an intuitive and interactive interface
- Processed and cleaned large biomedical datasets, training machine learning models that achieved high accuracy and reliability in predictions
- Developed and optimized end-to-end AI pipelines using TensorFlow and PyTorch, ensuring scalable and reproducible research workflows

## PROJECTS & AWARDS

### Honorable Mention – 27th National Software Contest (NSC 2025)

BlinkDx – AI-Powered Blink Anomaly Detection | 2025

- Developed a deep learning system to detect blink irregularities for medical diagnosis with 95% accuracy
- Implemented computer vision models for real-time patient video analysis

### 1st Prize – Hackathon: Unlocking the Potential of AI Engineering

Khon Kaen University | 2024

- Designed an AI system using cameras and laser automation to protect restricted areas
- Achieved reliable bird detection under dynamic environmental conditions

### MUICT Open House Registration System

Next.js, Express.js, MongoDB | 2024

- Developed and deployed a website for open house registration, efficiently handling 200+ participants per event
- Streamlined data collection and automated workflow for faculty events

## EDUCATION

### Mahidol University, Faculty of Information and Communication Technology

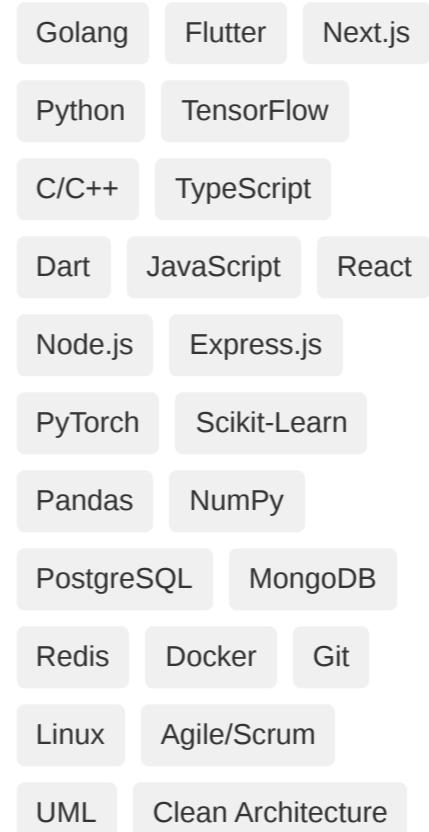
Bachelor of Science in ICT | 2023 - Present | Thailand

- Relevant Coursework:** Data Structures & Algorithms, Software Engineering, AI & Machine Learning, Web & Mobile Development, Computer Networks, Database Systems

## SUMMARY

Innovative Software Engineer specializing in mobile and web development, AI/ML research, and scalable system design. Skilled in Flutter, Next.js, Python, and TensorFlow, with award-winning projects in national competitions and hackathons. Passionate about building solutions that solve real-world problems.

## SKILLS



## FIND ME ONLINE

### Website

<https://www.pwteam.site/>

### GitHub

[github.com/pwteam](https://github.com/pwteam)

### LinkedIn

Pannawit Krutnak

### Facebook

Pannawit Krutnak