



Matt Tanthai Cosh

Google Certified
Award-Winning Innovator
AI/ML & Full-Stack Developer

Contacts

-  mattcosh06@gmail.com
-  linkedin.com/in/matt-cosh
-  mattcosh.com
-  github.com/TheUnknown550

Technical Skills

- Programming Languages:
 - Python
 - C/C++/C#
 - Java
 - JavaScript&TypeScript
 - SQL & NoSQL
- Technologies
 - React
 - Node.js
 - Git
- Concepts
 - Data Structures & Algorithms
 - OOP, OS, Complexity Analysis
 - Network Systems
 - Artificial intelligence (AI)
- Areas:
 - AI/ML Development
 - Full-Stack Development
 - IoT Systems
 - Web & Mobile App Development

Soft Skills

- Project Management
- Leadership
- Problem-Solving

Languages

Fluent English & Thai



Portfolio: mattcosh.com

Personal Profile

Motivated undergraduate majoring in Information Systems and Network Engineering (ISNE) at Chiang Mai University, with a strong foundation in software development, agile teamwork, and full-stack system design.

Experienced in developing web and mobile applications using React, Node.js, and PostgreSQL, and globally recognized for creating innovative AI-driven solutions. Passionate about leveraging technology to enhance digital systems and improve real-world user experiences.

Education



Chiang Mai University (CMU) – 2025

Faculty of Engineering, Department of Computer Engineering, Information Systems and Network Engineering (ISNE)
3rd year bachelor's

GPA: 3.78 — Expected Graduation: March 2027

Experiences

- **IoT Automation & Project Management Internship – TLIC [2025]**
 - Enhanced user experience and automation in the EZMedia broadcasting room by designing **IoT-based automation scripts and room usage detection systems**, streamlining workflows and smart environment controls.
- **Teacher's Assistant – Calculus II, Algorithm Lab, and ISNE Lab [2024–2025]**
 - Supported 80+ students across multiple computer science courses by mentoring, debugging, and explaining algorithmic concepts, improving lab performance and leading weekly review sessions that strengthened learning outcomes and teamwork skills.
- **Microsoft Imagine Cup World Championship Mentorship Program [2023]**
 - Transformed a student health-tech project into a market-ready solution by receiving **6 months of mentorship in strategic planning, investor pitching, and product-market fit** from Microsoft executives and industry leaders.
- **Developing the Artificial Intelligence of Things (DAIoT) Workshop – Helsinki University [2025]**
 - Gained experience by **completing a 4 Week hands-on AIoT workshop with Helsinki University**, integrating AI, IoT, and edge computing through practical training in sensor networks, machine learning deployment, and embedded system design under world-class researchers.

Project

- **Cardiac Self-Monitoring Tool (CS-M Tool) [2022–2024]**
 - Improved early heart disease screening accuracy to 94.7% by building a **React Native app, a custom recording device, and a neural network AI**, earning recognition from Intel, Microsoft, and ISEF.
- **OBS-Multi-User-Management-System [2025]**
 - Built a secure multi-user OBS Studio system for EZMedia rooms, enabling **isolated configurations and streamlined broadcasting for multiple users**.
- **IsNear – Proximity-Based Social Networking App [2024–2025]**
 - Improved real-world social connections by developing a React Web app with **real-time geolocation, user privacy controls, and an intuitive interface**, earning positive feedback from user testing and local tech meetups.
- **GC-Fit – AI-Powered Fitness Tracking Application [2022]**
 - Enhanced workout safety and performance by developing an AI-driven fitness app using OpenCV and MediaPipe for **real-time pose estimation and exercise recognition**, achieving **95% accuracy** and **60 FPS** processing with minimal latency.

Honors & Awards

- **World Runner-Up** – Microsoft Imagine Cup World Championship (2023)
- **Global Award** – Intel AI Global Impact Festival (2022)
- **Finalist** – Regeneron International Science and Engineering Fair (ISEF) (2023)

Certifications

Google IT Automation with Python, Google AI Essentials (Google/Coursera);
Machine Learning with Python, Data Analysis with Python, Scientific Computing with Python (freeCodeCamp)