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)