

# Tanachok Doungsatan

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## Software Engineer

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## Summary

Highly motivated Software Engineering graduate from Chiang Mai University (CAMT) with a strong interest in Internet of Things (IoT), Artificial Intelligence (AI), and Business Analysis. Eager to leverage academic knowledge and technical skills to contribute to a dynamic and innovative team.

## Education

- Chiang Mai University - Software Engineering (2020 - 2024)
- Chakkham Khanathon School - Grade 10 - 12 (2017 - 2019)
- Suan Bun Yopatham Lamphun School (2014 - 2016)

## Technical Skills

Languages: C/C++, Java, Python, PHP, HTML, CSS, JavaScript

Frameworks/Tools: Flask, Node.js, React.js, TensorFlow, OpenCV

Databases: MySQL, PostgreSQL

Other: Autodesk API, MQTT, AI/ML

## Soft Skills

Teamwork, Time management, Adaptivity, Critical thinking, Patience

## Experience

Full-Stack Developer - Trident Intelligence Service Company Limited (2024 - Present)

- Developed a full-stack IoT monitoring platform using React.js, Node.js, and Autodesk Forge API.
- Integrated AI model to read analog gauge values from camera feeds.

Internship - CPF Axons IoT Business

- Internship as a hardware engineer and developer.
- AI/ML projects: coffee bean detection (Faster R-CNN), car brand detection (MobileNet), shrimp larvae detection (OpenCV + Detectron2).

- Developed MQTT server for MCU communication.

#### Senior Project - Dust Detector Activity

- Built dust detector platform with IoT devices and web app.
- Users can earn points for dust measurements in exchange for rewards.
- Tech used: C++, PHP, HTML, CSS.

#### Languages

Thai (Native), English