AYE CHAN AUNG

AI/ML Engineer

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📍 418/6.NangLae,MueangChaiRai

🐙 https://github.com/AyeCham

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SKILLS

- Programming
  - Python,
  - SQL,
  - JavaScript
- Data Engineering
  - ETL/ELT
  - Apache Airflow
  - Kafka, Spark
- AI & CV
  - YOLOv8/YOLOv11
  - OpenCV
  - PyTorch
  - TensorFlow
- Backend
  - FastAPI
  - Express.js
  - REST APIs
- Database
  - MySQL
  - MongoDB

PROFILE

Aspiring Data Engineer with strong hands-on experience in AI & Computer Vision, data pipelines, and database-driven backend development. Skilled in extracting insights from structured and unstructured data, automating data workflows, and deploying ML systems into real-time environments. I am eager to contribute to innovative, data-driven projects and initiatives.

EDUCATION

MAE FAH LUANG UNIVERSITY

Thasud, Muang, Chiang Rai
57100,Chiang Rai,Thailand

B.Eng.Computer Engineering

2022-2026

WORK EXPERIENCE

AI INTERN

CAS Cogniser (Thailand) | June 2025 - July 2025

As an AI Intern at Cogniser (Thailand) (Jun–Jul 2025), I delivered end-to-end real-time computer-vision solutions across agriculture, retail, and CCTV analytics—from dataset curation and edge deployment to live dashboards and alerts.

PROJECTS

REAL-TIME VIDEO ANALYTICS SYSTEM

Developed YOLO-based CCTV detection pipeline with FastAPI backend integration.

- Automated detection for multi-class events.
- Optimized inference for edge GPUs & cloud deployment.
- Enabled 24/7 event logging and analytics through structured database storage.

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PROJECTS

POSTURE & BEHAVIOR RECOGNITION SYSTEM

Built Deep Learning pipeline for behavior detection using YOLOv8.
- Designed custom dataset, preprocessors, and augmentation workflow.
- Improved behavior recognition accuracy using optimized training strategy.
- Packaged model into Docker container for production readiness.

AGRICULTURAL PEST DETECTION SYSTEM

- Created ETL preprocessing for image datasets.
- Implemented object detection inference API in FastAPI.
- Delivered real-time monitoring dashboard integration.

JETSON ORIN NANO SNACK & BEVERAGE COUNTER

- Developed a real-time object detection system to count snack and beverage items.
- Built a Flask-based web dashboard to display live count data automatically.
- Designed logging and analytics pipeline for item-level tracking.
- Optimized model deployment for edge-AI performance on Jetson hardware.

MINIMUM WAGE & LEGAL INFO DISCORD CHATBOT "LU NGE"

- Built a multilingual chatbot to assist Myanmar workers in Thailand.
- Implemented conversation flows for minimum wage lookup by job or location.
- Integrated profession datasets, illegal job awareness, and private DM support.
- Designed scalable structure for future deployment to LINE and web platforms.