Aye Chan Aung

Junior AI / Software Engineer with strong hands-on experience delivering end-to-end AI, IoT, and backend projects independently. Experienced in computer vision systems, real-time object detection, API integration, and dashboard reporting. Comfortable working with edge devices (Raspberry Pi, Jetson Nano), CCTV streams, and full project ownership from design to deployment. Seeking entry-level or junior roles in software, AI, data, or IoT engineering.

Core Skills
- Programming: JavaScript, Python, SQL
- Backend: Node.js, Express.js, REST APIs
- Database: MySQL, MongoDB, schema design
- AI & Data: Computer vision fundamentals, CNN basics, data preprocessing
- IoT: Sensor-based systems, data collection, device–server integration (familiar)
- Tools: Git, Figma, VS Code, Linux

CAS Cogniser Thailand — AI / IoT Engineer Intern
04 January 2026 – 30 April 2026
- Independently designed and delivered multiple AI and IoT projects, handling full lifecycle from system design to deployment.
- Built computer vision systems for object detection, counting, and activity analysis using edge devices (Raspberry Pi 5, Jetson Nano) and local inference.
- Integrated AI pipelines with backend APIs, alert systems, and dashboards for real-time monitoring.
- Worked with CCTV streams, cameras, and sensors; optimized models for practical deployment.
- Integrated AI models with backend APIs to process live video feeds and deliver structured data for dashboards and alerts.
- Improved system reliability and real-time responsiveness through optimized model inference and hardware-aware deployment.

Selected Projects

- Smart Retail Monitoring System — Product detection, classification, counting, and dashboard visualization using edge AI.
- Insect Detection & Alert System — Real-time detection with automated notifications for environmental monitoring.
- People Flow & Engagement Analytics — Staff/customer detection, counting, and interaction time analysis from CCTV streams.
- Fertilizer Bag Detection System — Detected, differentiated, and counted fertilizer bags using reCamera; transmitted structured data to a web dashboard for live monitoring.

Educational Background

Bachelor of Engineering in Computer Engineering
Mae Fah Luang University, Thailand
Aug 2022 - April 2026
- Expected Graduation: August 2026

Languages

- Burmese — Native
- English — Intermediate
- Thai — Basic