



## CONTACT ME

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- 📍 Chiang Mai, Thailand
- 🐙 <https://github.com/AnitaMaxWynn901>

## TECHNICAL SKILLS

- Programming : C#(Basic), Java, Python
- Web Development : HTML, CSS, JavaScript, Node.js, Express
- Mobile Development : Flutter
- AI / ML : YOLO, OpenCV, Mediapipe
- Database : MySQL, Supabase
- Software Tools : VSCode, Jupyter Notebook, Git, MongoDB
- APIs : REST APIs, LINE Messaging API, LINE LIFF

## SOFT SKILLS

- Teamwork
- Time Management
- Quick Learner
- Adaptability

# SAI HAE NAING LAY

## Computer Engineer

### ABOUT ME

I'm Sai Hae Naing Lay, a Computer Engineering student based in Thailand. I enjoy learning and building practical systems through hands-on projects. My main interests are AI/ML and computer vision, and I'm currently learning web and app development to create simple, usable interfaces for my work. I like turning real-world data into useful tools by building clean pipelines, clear UI, and solutions that can be tested in practice.

### EDUCATION

#### Mae Fah Luang University

Aug 2022 - Present

- Bachelor of Engineering in Computer Engineering
  - Expected Graduation : February 2027
  - Current Status : Final Year (Internship)

### EXPERIENCE

#### Internship Trainee

#### CAS Cogniser (Thailand)

Jan-Apr 2026

Chiang Mai , Thailand

- Projects :
  - LINE Bot Sushi Cafe System (Node.js, Express, LINE LIFF, Supabase)
    - Developed full-stack ordering system with LINE Messaging API integration
    - Implemented role-based dashboards (customer/ shop\_master/ admin) with authentication
    - Built order management system with real-time updates and points rewards

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## SOFT SKILLS

- Teamwork
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- Quick Learner
- Adaptability

## LANGUAGES

- Burmese (Native)
- English (Fluent)
- Thai (Basic)

## EXPERIENCE

### Internship Trainee

CAS Cogniser (Thailand)

Jun-Jul 2025

Chiang Mai , Thailand

#### • Projects :

- Voice-Activated Digital Signage Control System (Python, Flask)
  - Built voice-controlled ad display with real-time play/stop/switch functionality
  - Implemented continuous listening with auto-demo fallback
  - Created dynamic ad category mapping with automatic video file detection
- Smart Retail Analytics System (YOLO, OpenCV, Face Recognition, Numpy)
  - Developed comprehensive retail analytics system combining people counting, face recognition and heat-map generation
  - Implemented real-time people counting with entry/exit tracking in defined zones.
  - Integrated face detection and recognition to match customer IDs with database, displaying "matched" or "no data" on dashboard
  - Built live dashboard with video stream, occupancy metrics, entry/exit logs, and movement heat-map overlays
  - Generated heat-maps for crowd flow analysis and high-traffic area identification

## PROJECTS

#### • Behavior Recognition For Estrus Monitoring in Cattle

Senior Final Project • Computer Vision, YOLOv8/v11, Python, Roboflow

- Developed a computer vision system to classify cow behaviors (standing, lying, grazing, mounting) from video data to support automated estrus detection
- Built an end-to-end pipeline including dataset construction, Roboflow annotation, YOLO training, and evaluation on real farm CCTV footage

#### • Human Action Recognition System

Team Project • Image Processing, Python, Mediapipe

- Human action recognition system using classical image processing techniques. (Image Enhancement, Segmentation & Edge detection, Geometric Transformations and Interpolation)
- Includes preprocessing, segmentation, feature extraction, and classification with a Python-based workflow