

# Aye Moh Moh Khin

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## EDUCATION

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### King Mongkut's Institute of Technology Ladkrabang

Bangkok, TH

Bachelor of Engineering in Computer Engineering

Expected to be graduated at early 2027

**Relevant Coursework:** Data Structures and Algorithms, Database Systems, Data Analytics, Web & Software Development, User Experience and User Interface Design, Computer Architecture and operating systems

**Awards & Honors:** Tuition Fees Waiver Scholarship

## TECHNICAL PROJECTS

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### Predictive Analytics for bus travel time & route optimization

Semester 1 2025

- Engineered a predictive data pipeline to optimize urban travel times, analyzing large-scale GPS probe data to model traffic patterns in Bangkok.
- Utilized **Python** libraries (Pandas, scikit-learn) for data processing and analysis; **XGBoost** for predictive travel time modeling; **HDBSCAN** for real-time congestion detection; and **Streamlit** for dynamic visualization.

### Hospital Queue Management System

Semester 2 2024

- Collaborated with members for a hospital queuing system web application to manage patient flow, optimize wait times, and improve administrative efficiency.
- Developed the application using the **MERN stack** (React, HTML/CSS/JS), managed workflow with **Jira** and **Git**.

### Interactive CSV Data Query System

Semester 1 2023

- Created a program for digital book collection with CSV support, dynamic querying and sorting
- Developed the application using **Python**

## ADDITIONAL EXPERIENCE

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- **FTL Myanmar Machine Learning Bootcamp Participant (2025):** Currently developing foundational knowledge and practical skills in cutting-edge AI & ML techniques.
- **Teaching Assistant at K-Engineering Bootcamp(2024):** Facilitated hands-on learning for high school participants specifically teaching Python and fundamental circuit analysis.
- **42 Bangkok C Pisciner (2024):** Successfully completed intensive **C programming bootcamp** and gained hands-on experience with **Shell** scripting and **Git**.
- **Junior Programming Course Instructor** at Magic Eye Computer Training School (**2021-2023**): Delivered engaging, project-based lesson plans for Junior Programming courses, successfully driving skills mastery in languages such as Python and Scratch.

## SKILLS & CERTIFICATIONS

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- **Front-End/Full-Stack:** Next.js, Node.js, React, JavaScript, TypeScript, HTML5, CSS, Streamlit, Figma
- **Back-End/Database:** Python, C, SQL, Docker, Postman
- **Development Tools:** Git, GitHub, Visual Studio Code (VS Code), Jira, Jupyter Notebook
- **Data & Visualization:** Statistical Analysis, Model Evaluation, Plotly, Matplotlib, Power BI
- **Certifications:** Machine Learning Specialization, Python for Everybody Specialization (Coursera)
- **Languages:** Fluent in English, Burmese; Conversational Japanese