

Swan Htet Aung

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EDUCATION

Assumption University of Thailand

B.Eng. in Computer Engineering

Samut Prakan, Thailand

Expected Graduation: March 2026

- **Concentrations:** Backend Development
- **GPA:** 3.83, President's Honor List
- **Related Coursework:** Object-Oriented Programming & Design, Software Design & Development, Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Computer Networks & Security

PROJECTS

E-commerce Backend

Independent Project

Jan 2026 – Feb 2026

- Designed and developed a RESTful e-commerce backend using Java and Spring Boot following layered architecture
- Implemented core backend modules including categories, products, users, shopping cart, orders, payments, and shipping addresses
- Built secure authentication and authorization using Spring Security with custom JWT-based login and role-based access control
- Designed and managed complex entity relationships using JPA/Hibernate with PostgreSQL and MySQL
- Applied backend validations, pagination, and sorting to improve API reliability and database performance
- Reduced boilerplate code using Lombok and enforced clean service-level business logic
- Documented REST APIs using Swagger and prepared the backend for cloud deployment

AU-Connect: A Social Platform for AU Students

Team Member

Jul 2025 – Feb 2026

- Developed a full-stack campus social platform using Flutter (frontend), Node.js/Express (backend), and MongoDB within a three-tier client-server architecture
- Implemented JWT-based authentication, role-based access control, and secure RESTful APIs
- Created modular backend services for posts, events, marketplace, moderation, and user management
- Deployed backend on Railway and frontend on Netlify with Git-based workflow and conducted API/functional testing

Breast Cancer Predictor App

Independent Project

Sep 2025

- Built an interactive web application using Streamlit to predict whether breast tumors are benign or malignant
- Trained and deployed a Logistic Regression model on the Breast Cancer Wisconsin dataset for real-time classification
- Implemented feature scaling, model serialization using Pickle, and interactive sliders for user input
- Designed a lightweight web interface for real-time visualization and prediction output

ACTIVITIES AND WORK EXPERIENCE

Assumption University - VMES

Samut Prakan, Thailand

Teacher Assistant for Dean of VME

July 2022 – March 2026

- Created posters for VMES related student events and assisted in grading assignments and coursework for the Dean
- Enhanced creativity from poster creation and earned scholarship hours each semester

Air Thanlwin Limited

Yangon, Myanmar

Mechanic Helper

May 2021 – Oct 2021

- Assisted licensed aircraft engineers in routine and minor aircraft maintenance tasks
- Gained practical experience in team-based problem-solving and structured maintenance workflows

SKILLS

Programming: Java, Python, HTML/CSS, JavaScript, Dart, SQL, C

Frameworks: Spring Boot, React.js, Flutter

Tools: IntelliJ, VS Code, Android Studio, Git, Postman, MongoDB, Microsoft SQL Server, PostgreSQL

Soft Skills: Problem-Solving, Adaptability, Teamwork

Fluent Languages: Burmese, English