

Ye Min Myat

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PROJECTS

CommunityPulse Reporting System

Software Engineer

System Development Project

May 2025

- Spearheaded backend development and team management for a 5-member team, implementing secure user authentication and SQL-based complaint management logic.
- Directed system architecture and integration, overseeing design diagrams and ensuring seamless communication between frontend and backend modules.
- Executed full-scale system testing and documentation, delivering a reliable, user-friendly platform for reporting community issues.

Financial Fraud Detection & Personalization System

Machine Learning Engineer

Machine Learning Project

Oct–Nov 2025

- Architected a fraud-detection pipeline using DBSCAN clustering and anomaly-detection models to analyze ~480k transactions for high-risk patterns.
- Implemented a hybrid recommender system using Market Basket Analysis and association rules (support, confidence, lift) to personalize user security.
- Evaluated performance via ROC-AUC and F1-scores, identifying evolving fraud behaviors to propose sequence-based deep learning improvements.

Postgraduate Progress Tracking System

Software Engineer

Full-stack Web Application

Nov 2025

- Constructed a modular React frontend featuring role-based dashboards for Admins, Supervisors, and Students to streamline submission workflows.
- Synthesized scalable Express.js APIs and optimized MySQL schemas to manage secure authentication, supervisor assignments, and version-controlled document history.
- Containerized the full stack with Docker, ensuring production-ready deployment with isolated frontend, backend, and database services.

VOLUNTEERING EXPERIENCE

AIU Myanmar Students’ Association (AMSA)

Logistics Unit – Member

Kedah, Malaysia

2022-2023

- Administered event logistics, coordinated resources, and supported smooth execution of student activities.

Sports Unit – Representative

2023-2024

- Directed sports-related initiatives, organized activities, and coordinated team participation across AMSA events.

WORK EXPERIENCE

YKA Retail Business

Sales Assistant

Yangon, Myanmar

2020-2022

- Inventory & Operations: Overseen warehouse inventory, maintained precise records/receipts, and coordinated shipping logistics for customer orders.
- Customer Engagement: Provided high-quality service by assisting shoppers with inquiries, locating products, and offering personalized recommendations.

EDUCATION

Albukhary International University,

Bachelor of Computer Science (CGPA: 3.57)

Kedah, Malaysia

Expected Graduation:Nov2026

- Concentration:** Data Science, Deep Learning, Natural Language Processing
- Related Coursework:** Computing in Python, Object-Oriented Programming, Statistics and Probability, Discrete Mathematics, Artificial Intelligence, Information Visualization

SKILLS

Programming: Python, JavaScript, SQL, C++, Java

Web Development: React, Express.js, HTML, CSS, MySQL

Data & ML: Machine Learning, Data Mining, DBSCAN, Market Basket Analysis

Tools: Git, Docker, Power BI, Tableau, Linux