

# KYAW ZAYA THU

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## PROFILE & OBJECTIVE

Bachelor of Information Technology student (University of Newcastle – PSB Academy, Singapore) majoring in ICT Development. Passionate about software engineering, AI, and intelligent systems. Experienced with .NET MVC, .NET MAUI, FlutterFlow, and computer vision development using YOLOv8. Skilled in both web and mobile app development, as well as AI-based object detection for autonomous systems and security applications.

## EDUCATION

### Bachelor of Information Technology (ICT Developer Major)

University of Newcastle (Australia), Singapore

Duration: Sep 2024 – Jan 2026

Key Modules: Object-Oriented Programming, Web Technologies, Data Structures, Applied AI, Systems Analysis & Design, Mobile App Programming

### Diploma in Information Technology

PSB Academy Singapore

2023-2024

Key Modules: Programming, Discrete Mathematics, Database Design, Networking, Cybersecurity, Software Engineering, Information Systems, Operating Systems

## TECHNICAL SKILLS

- Programming: Java, Python, SQL, C#, C++, HTML/CSS/JavaScript/php
- Tools: Anaconda, Jupyter Notebook, Visual Studio, VS Code, Figma, Git, Firebase, Power BI
- Frameworks: YOLOv8, .NET MVC, .NET MAUI, Flutter, React (basic)
- Specializations: Object Detection, AI Model Training, API Integration, Web/Mobile Development, Cloud Databases, Data Structures
- Mobile App Development and AI Integration

## CERTIFICATIONS

### Certifications

- EC-Council Certified Security Specialist (ECSS v10) – EC-Council / PSB Academy, May 2024
- (Cybersecurity fundamentals, network defense, and ethical hacking concepts)

## ACADEMIC PROJECTS

### AI Object Detection for Autonomous Systems (2025)

- Trained and fine-tuned YOLOv8 models in Anaconda/Jupyter Notebook to detect vehicles, pedestrians, and obstacles for autonomous driving and surveillance systems.
- Applied dataset preprocessing, model evaluation, and confidence threshold tuning to improve detection accuracy.
- Focused on real-time video analytics for smart traffic and security applications.

### Traffic Monitor App (2025)

- Built mobile app using FlutterFlow + Firebase for traffic data visualization.
- Integrated LTA DataMall API for real-time traffic checkpoint data.
- Focused on authentication, user interaction, and backend integration.

### E-Commerce Web Application (2025)

- Designed and implemented a .NET MVC Web Application simulating an online retail store.
- Applied MVC architecture for product management, shopping cart functions, and secure login modules.
- Demonstrated front-end and backend coordination using C#, Razor Pages, and SQL Server.
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### Mobile Application Development (2025)

- Created a .NET MAUI cross-platform mobile app integrating responsive UI and local data storage.
- Focused on user experience design and performance optimization for Android/iOS.