

NG GUAN YIK

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EDUCATION

Asia Pacific University of Technology and Innovation

Bachelor's degree in computer science (Hons) Artificial Intelligence
Vice Chancellor's List in Academic Year 2024/2025

Bukit Jalil, KL

Graduating July 2027

Asia Pacific University of Technology and Innovation

Foundation in Computing
Vice Chancellor's Academic Excellence Award
Leadership Excellence Award

Bukit Jalil, KL

July 2023 – July 2024

LEADERSHIP AND EXTRACURRICULAR

Head of Design

APU Karting Club

Bukit Jalil, KL

Aug. 2025 – Present

- Designed posters and social media content for the club promotion and events, attracted over 150+ members joining the club.
- Coordinated with event and marketing departments to ensure consistent branding across all club activities.
- Supervised a design team and delegate tasks based on the project requirements.

APU Debate Team

Asia Pacific Chinese Language and Culture Society

Bukit Jalil, KL

Jan. 2025 – Present

- Represented APU CLCS Debate Team to participate in university-level Chinese debate competitions.
- Organised club activities, assisting in event preparation and actively participating in hosting and handling participants.
- Assisting in club administrative functions and core operational activities to ensure smooth internal workflow.

PROJECTS

APU Medical Centre

Java, OOP, GUI (Swing)

Bukit Jalil, KL

Jul. 2025 – Sep. 2025

- Designed and developed a medical centre management system using Java for backend logic and Swing for the graphical user interface.
- Included multiple user roles such as managers, staffs, doctors and patients.
- Designed business core features such as employee management, appointment management, report generation and payment process workflow.
- Designed and applied core object-oriented principles and modular class structures improving code maintainability and reusability.

Flight Delay Analysis

R, Data Analysis

Bukit Jalil, KL

Jul. 2025 – Sep. 2025

- Used R for data exploration, analysis, manipulation and visualization of flight arrival delays.
- Implemented data cleaning, preprocessing and validation using built-in R functions and packages.
- Applied descriptive statistics, hypothesis testing, prediction modelling integrating machine learning models to departure delay as a factor in affecting flight arrival delays.
- Created visualizations such as histograms, box plots, scatter plots and probability distribution plots.

FoodiePoint Restaurant Management System

C#, SQL Server database, .NET, OOP

Bukit Jalil, KL

Feb. 2025 – April 2025

- Developed a role-based restaurant management system using C# and .NET framework in Microsoft Visual Studio.
- Implemented multiple user roles including Admin, Manager, Chef and Reservation Coordinator, each accessing to different functions.
- Build core functions such as user validation, employee management, food ordering and reservation processing.
- Integrated a SQL Server database to support data storage for application workflows and ensure data integrity.
- Implemented object-oriented concepts to structure system components and business logic.

Library Management System

Python, File-based Storage

Bukit Jalil, KL

Jul. 2024 – Nov. 2024

- Designed a fully functional Library Management System using Python with file-based storage.
- Implemented multiple user roles such as administrators, librarians and members.

- Implemented core business logic including overdue tracking, fine calculations and borrowing limit tracking.
- Applied clean and modular code design to ensure better maintenance and future enhancements.

COMPETITIONS

TARUMT Chinese Debate Competition

Second Place

Setapak, KL

Jul. 2025 – Aug. 2025

- Achieved Second Place in a competitive inter-University debate tournament.
- Demonstrated strong critical thinking skills, analytical reasoning, structured argumentation and rapid responds to counterarguments.
- Collaborated with teammates to develop coherent debate strategies.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C#, SQL, C++, R.
- **Technical Tools:** Github, Visual Studio Code, Microsoft Visual Studio, Figma, Canva
- **Software and Productivity Tools:** Microsoft Office Suite (Word, Excel PowerPoint)

PERSONAL

- **Additional Leadership and volunteering:**
 - **Project manager for Food Fiesta (11-member team) Merdeka Fiesta APU 2024** *Jul. 2024 – Aug. 2024*
- **Interests:** Reading, Music, Explore Restaurants and Cafes