

## Summary

Software Engineering undergraduate specializing in Data Science, with hands-on experience in web and mobile development. Skilled in Java, Flutter, React, Node.js, AWS, and UI/UX design, with a focus on building user-centered applications and leading team projects from concept to deployment.

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## Technical Skills

- **Programming Languages** : Java, JavaScript, Python, R, C++, Dart, Node.js, HTML & CSS
  - **Development Tools & Frameworks** : VS Code, Android Studio, Flutter, React, R Studio, Apache NetBeans, Figma
  - **Data Tools** : MySQL Workbench, MongoDB, Tableau, Power BI
  - **Cloud Platforms** : AWS (S3, Lambda, SageMaker, Bedrock, EC2)
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## Languages

- **English** – Professional Working Proficiency
  - **Mandarin** – Native / Full Professional Proficiency
  - **Malay** – Conversational Proficiency (Speaking & Listening)
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## Education & Certifications

- **Bachelor of Software Engineering (Data Science) | Taylor's University** (Current CGPA: 3.43)
  - **Certifications:** AWS Cloud Practitioner Essentials, AWS Machine Learning Foundation, AWS Machine Learning for Natural Language, AWS Generative AI Foundation
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## Professional Experience

### Perniagaan Battery Hong Yip – Administrator (January 2020 – June 2022)

- Maintained structured sales and inventory records and supported workflow efficiency through organized data handling and process coordination.
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## Projects

### Smart Used Cooking Oil (UCO) Collection System | Capstone Project Module (Final Year Project)

- **Flutter, Android Studio, Node.js** – Developed a full stack mobile app for PETRONAS Dagangan Berhad (PDB) to optimize UCO collection via smart bin integration and reward-based participation. Built frontend and backend modules ensuring seamless functionality and data flow.

### GenAI Kitchen Optimization and Stock Management Dashboard | Great Malaysia AI Hackathon 2025

- **AWS Lambda, S3, SageMaker, Python** – Led a 5-member team to develop a web-based dashboard for predictive inventory management. Built backend and frontend modules supporting real-time order prioritization, operational monitoring, and an AI-powered chatbot.

### GenAI Startup Empowerment App | ImagineHack Hackathon 2024

- **Flutter, Android Studio, Node.js** – Led a 5-member team to design a mobile UI and implement backend APIs, ensuring smooth frontend-backend integration.

### **Java Game Development | Advanced Programming Module**

- **Java, Swing, JavaFX** – Designed a story-driven maze game applying advanced OOP principles. Developed modules for authentication, character selection, story progression, scene navigation, encryption, serialized game state, and immersive audio integration.

### **Assistance Centre Dashboard for Typhoon Management | Object Oriented Programming Module**

- **Java, JavaFX, Swing, Apache NetBeans** – Developed a web-based dashboard to enhance community resilience during typhoons. Built Search, Assistance Center, and Editor Board modules with secure access control, efficient data handling, and interactive interfaces.

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### **Extracurricular**

#### **Star Ambassador | Taylor's University**

- Delivered campus tours and event support, enhancing visitor engagement.
- Communicated effectively with prospective students and parents to provide clear guidance.