

BRYAN NG JING HONG

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EDUCATION

Universiti Tunku Abdul Rahman

Oct 2022 – Oct 2025

Bachelor of Computer Science (Honours)

- **CGPA:** 3.72 / 4.0
- **Relevant Coursework:** Data Science, Data Communications and Networking, Internetworking Principles and Practices, Distributed Computer Systems, Data Structure, OOP, Object-Oriented System Analysis and Design, and Database Technology, Deep Learning for Data Science
- **Awards and Scholarships:**
 - Dean's and President's List – every semester from Oct 2022 to June 2024.
 - UTAR Top Achiever Scholarships

Universiti Tunku Abdul Rahman

Oct 2021 – Sept 2022

Foundation in Arts (Management and Accountancy Stream)

- **CGPA:** 3.83 / 4.0
- **Awards and Scholarships:**
 - Dean's and President's List – every semester from Oct 2021 to Sept 2022.
 - UTAR Top Achiever Scholarships

PROFESSIONAL EXPERIENCE

8Creation Pte. Ltd. – Software Developer Intern

Oct 2024 – Jan 2025

- Developed interactive UI components using React Native and TypeScript with APIs integration.
- Managed 4 web projects simultaneously for updates, development, maintenance and performance optimization.
- Rebuilt an enterprise website with enhanced features and modernized design, collaborating closely with UI designers to improve user experience and overall site performance.
- Implemented comprehensive testing and proposed enhancements to ensure the quality, stability, and reliability of mobile applications

Flash Malaysia Express Sdn. Bhd. – Product Intern

Dec 2021 – July 2022

- Coordinated cross-functional teams across several countries to drive system improvements.
- Analyzed user behavior and proposed enhancements by preparing detailed use cases.
- Prepared test cases and conducted system testing on updates prior to deployment.
- Provided timely support and resolution for production issues.
- Maintained user manuals and conducted training on pre-released updated system to front-line users.

PROJECT EXPERIENCE

Smart Food Waste Management System

Mar 2025 – May 2025

- Developed an IoT and cloud-based system using AWS services to automate food recognition, inventory tracking, and expiry notifications.
- Implemented image-based food identification using AWS Rekognition Custom Labels, eliminating manual input and enabling real-time shelf-life monitoring.
- Automated notification workflows using AWS Lambda and SNS to proactively notify users and reduce unintentional food waste.

CookVerse Web Application

Feb 2025 – May 2025

- Developed a full-stack PHP web application using MySQL and XAMPP with API integration to manage recipes, meal planning, cooking competitions, and user discussions in a social cooking platform.
- Designed normalized database schemas to support complex relationships among recipes, meal plans, user interactions, and competition data.
- Engineered dynamic, AJAX-driven interfaces for seamless data retrieval, filtering, and real-time updates.
- Implemented secure user authentication and role-based access control.

Cardiovascular Risk Prediction Using Machine Learning

June 2024 – Sept 2024

- Built a predictive model to classify cardiovascular risk levels using 17 features data from 2,100 samples.
- Conducted extensive data preprocessing including feature scaling, outlier handling, log transformation, and encoding.
- Evaluated and fine-tuned three ML models, achieving up to 94% test accuracy.
- Applied cross-validation and performance analysis to ensure robustness and generalization.

SKILLS AND INTERESTS

Technical Skills	Python, R, C++, HTML, CSS, JAVA, JavaScript, PHP, SQL, WordPress, Microsoft Office
Languages	English, Mandarin, Malay, Hokkien
Soft Skills	Problem-solving, Multitasking, Time Management, Communication, Teamwork, Able to Work Under Pressure, Critical Thinking, Adaptability

HONORS & CERTIFICATIONS

AWS Academy Graduate – AWS Academy Cloud Foundations

Apr 2025

- Certificate issued by Amazon Web Services for successful completion of the AWS Academy Cloud Foundations courses.

Dean's and President's List Awards

Oct 2021 – June 2024

- Awarded for academic excellence every semester.

Hack-Attack 24hrs Hackathon 2024

Aug 2024

- Participated in a 24-hour hackathon focused on solving real-world scenarios by transforming ideas into functional software. Certificate issued by UTAR.