

# YEO JIA HUI

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## EXPERIENCE

### Web Designer and Developer Intern

March 2023 – Aug 2023

*Dreamit Real Solutions Sdn Bhd | Selangor, Malaysia*

- Designed and developed six core website pages for Allan Chan Enterprise (M) Sdn Bhd using WordPress, improving responsiveness across desktop, tablet, and mobile devices and increasing user enquiries by 20%.
- Uploaded and optimized 200+ product images and specification for PumpUp WordPress, improving catalogue searchability and enhancing user navigation through SEO-focused tags and categories.
- Automated OCR text extraction for 200 + PDF pages, reducing manual data entry time by 40%.
- Published 30+ portfolio projects, improving load speed and responsiveness for 95% of users for cross-platform responsiveness.

## Achievements

### Huawei ICT Competition 2024-2025 Malaysia

3 Dec 2024

*Third Prize National Competition*

- Earned HCIA certification after competing with other university students in Malaysia, achieving a top 20% ranking among 1,200 students from 40 universities and colleges across Malaysia and demonstrating a dedication to learning AI concepts, as well as related technologies such as Big Data and Cloud Computing.

### RunCloud x AWS Cloud Practitioners Challenge

Oct 2022

*Semi-finalist*

- Leveraged AWS services to design and deploy Grocerline, a prototype e-commerce platform.

## EDUCATION

### Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA)

Expected Graduation: Aug 2026

*Bachelor of Computer Science (Software Engineering) with Honours*

- Awards: Dean's List 2024, First Class Honours.
- Completed 118 credit hours, taking extra subjects like Augmented Reality, Interpersonal Effectiveness.

### Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA)

Graduated: Aug 2023

*Diploma in Computer Science*

- Awards: Dean's List 2021, Dean's List 2022, First Class Honours.
- Mastered a strong foundation in software development, algorithms, and databases, consistently ranking among the top students.

## EXTRACURRICULAR ACTIVITIES

### GODAMLah! Hackathon 2024

Aug - Dec 2024

*Finalist Participant*

- Developed a prototype to secure user personal data with Blockchain Certificate Technology, engineered with Next.js and TypeScript.
- reduced verification time improved data security through encryption
- Advanced to the finalist stage out of 84 nationwide teams, showcasing strong technical problem-solving and collaborative skills.
- Collaborated in a team of 3, leading frontend, backend and blockchain integration development.

### BRIDG3 Hackathon National Level

27 - 28 July 2024

*Participant*

- Redesigned the z-Fund Distribution and Management System using Blockchain technology via Maschain API, enhancing security and transparency in fund allocation, handling 1,000+ concurrent transactions.
- Team up with 5 peers, coordinating across frontend, backend, and blockchain roles, and led backend development.

## PROJECTS

### The Asia Press

- Developed and implemented a new SEO strategy for The Asia Press by content creation and targeting long-tail keywords, boosting traffic by over 400% within 3 months.
- Optimized metadata, internal linking, and keyword structure, significantly increasing user engagement and search visibility.

### DOSM Pahang Mobile Application | Diploma Final Year Project

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- Innovated backend infrastructure with Progressive Web App (PWA) technology.
  - Collaborated with the Department of Statistics Malaysia (Jabatan Perangkaan Negeri Pahang) to develop a Progressive Web App (PWA) that increased public accessibility to state-level statistics, reduced data lookup time by 40% for public users.
  - Implemented backend infrastructure using the MVC architecture pattern, ensuring scalability and maintainability.
  - Presented population, income, labour, and residential data through interactive graphs and charts tailored for non-technical users.

#### **Development of Speech to Text Academic Report Assistance Mobile Application | Final Year Project**

- The first on the team to integrate academic-specific terms and Malaysia language nuances into Whisper AI, leading to improved accuracy and relevance in student academic report analysis.
- Fine-tuned Whisper AI with academic-specific vocabulary and Malaysian language nuances, significantly improving transcription accuracy and contextual relevance.
- Designed a real-time (live) transcription system by integrating an ultra-low latency GitHub library, enabling immediate academic report analysis.
- Embedded the live Whisper model into a Flutter mobile app, building both frontend and backend architecture, and managing the database for storing transcripts.
- Enhanced usability for students by enabling faster, more accurate academic documentation support.

#### **SKILLS**

**Skills:** Software: Figma, Android Studio, Visual Studio Code, Postman, WordPress, Google Cloud Console, AWS (EC2, S3, Lambda), FileZilla, XAMPP, MySQL Workbench, GitHub, Hugging Face, Docker, Jenkins  
Frameworks and Tools: Next.js, React.js, Flutter, Laravel, Node.js, Express.js, Supabase, Firebase, Selenium, Git, CI/CD, MVC Architecture  
Programming Languages: Java, PHP, JavaScript, TypeScript, Dart, C# (.NET), SQL, HTML, CSS

**Languages:** English (Reading: Fluent | Writing: Fluent), Bahasa Malaysia (Reading: Fluent | Writing: Fluent), Chinese (Reading: Native | Writing: Native)