Goh Shu Yi

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EDUCATION

Bachelor of Software Engineering (Dual Award)   Sunway University – Lancaster University

   September 2023 – September 2026

Foundation in Arts – CGPA: 3.98   Sunway College

   July 2022 – July 2023 (Graduated)

SKILLS

Programming languages: Java, Python, PHP, JavaScript

Frameworks and Technologies: HTML, CSS, React.js, Next.js, Tailwind CSS, Node.js, Express.js

Databases & Tools: SQL, PostgreSQL, Sequelize, Git, GitHub, Vercel

Software and Platforms: Microsoft Office, Figma, Canva, Visual Studio Code, Intelij, PHPStorm

Other Technical Skills: Software Design (UML, Flowcharts)

SELECTED PROJECTS

Pokémon Game (School Project)   2024
- Developed a text-based turn-based battle game inspired by Pokémon using Java
- Implemented core OOP principles such as inheritance and encapsulation
- Added Quick Time Events (QTE) for interactive gameplay

Food Fox Website (School Project)   2024
- Developed a PHP-based website to support SDG 2 (Zero Hunger)
- Features include event registration, donation and rewards page, and an admin panel to manage the website
- Enabled email confirmations and restricted actions (e.g., registration, donation) to logged-in users

Residents Management System (Ongoing)   2025
- Developed a full-stack web application for tracking tenant payments and generating reports
- Developed using Express.js and Next.js, with deployment on Vercel
- Integrated Sequelize ORM with PostgreSQL for reliable and scalable data management
- Implemented secure user access with JWT-based authentication and session handling

ACTIVITIES AND INVOLVEMENT

IBM TechXchange Hackathon 2025   2025
- Collaborated with a team of 4 to build an AI-powered legal analysis to simplify compliance.
- This tool transforms complex documents into plain English, assesses risks, and checks against regulations like GDPR & PDPA.
- Built with FastAPI, React, and IBM WatsonX.