

# Goh Shu Yi

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Software engineering student seeking an internship to gain hands-on experience and contribute to real-world projects. Additional details and project showcases are available on my personal website (link above).

## EDUCATION

**Bachelor of Software Engineering – CGPA: 3.71**

**September 2023 – September 2026**

*Sunway University, Malaysia – Lancaster University, UK*

**Foundation in Arts – CGPA: 3.98**

**July 2022 – July 2023 (Graduated)**

*Sunway College, Malaysia*

## RELEVANT PROJECTS (UNDERGRADUATE PROJECTS)

### Food Fox Website (Degree Project)

**December 2024**

*PHP, HTML/CSS/JavaScript, MySQL*

- Developed a PHP-based website aligned with SDG 2 (Zero Hunger)
- Implemented features like event registration, donation system, and admin panel
- Enabled user authentication and email confirmations to ensure secure access
- Collaborated through close pair work and maintained version control using Git

### Pokémon Game (Degree Project)

**August 2024**

*Java, PokéAPI*

- Created a Java-based turn-based battle game inspired by Pokémon using OOP principles
- Integrated PokéAPI for data retrieval and display, enhancing user interaction with Pokémon data
- Added Quick Time Events (QTE) for interactive gameplay mechanics
- Led a team of 4 with clear task delegation and version control via GitHub

### Book Management System (Degree Project)

**December 2023**

*Python*

- Developed a CLI-based system to manage book records (add, update, search, delete)
- Focused on code modularity, efficiency, and input validation
- Contributed core logic while collaborating closely with 4 teammates

## ADDITIONAL PROJECTS AND HACKATHONS

### IBM TechXchange Hackathon 2025

**July 2025**

*Python, FastAPI, React.js, TypeScript, IBM WatsonX*

- Built an AI-powered legal analysis tool to simplify compliance
- Translated complex legal content into plain English and flagged risks under GDPR/PDPA
- Collaborated in a team of 4, overcoming API issues and presenting under tight deadlines

### Residents Management System (Ongoing)

**April 2025 - Present**

*Next.js, Express.js, PostgreSQL*

- Developed a full-stack web app to track tenant payments and generate reports
- Integrated Sequelize ORM with PostgreSQL for efficient data handling
- Implemented secure JWT-based authentication and role-based access
- Solved real-world UX issues through testing, iterative debugging, and feedback loops

## SKILLS

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### Programming languages

- Familiar with Java, Python, PHP, JavaScript
- Basic experience in TypeScript, Shell Scripting

### Frameworks and Technologies

- Basic to intermediate in HTML, CSS, React.js, Next.js, Tailwind CSS, Node.js, Express.js
- Basic experience with Axios, Fetch Api (data fetching)

### Databases & Backend Tools

- Experience with SQL, PostgreSQL, Sequelize ORM, XAMPP, NeonDB, Relational Database Design, Database Querying and Joins
- Basic experience with JWT Authentication, RESTful API Integration

### Development Tools and Software

- Familiar with: Git, GitHub, Command-line Interface (CLI), Vercel, UML Diagrams, Flowcharts, OOP Principles, Visual Studio Code, IntelliJ IDEA, PHPStorm, PyCharm, Figma, Visual Paradigm, Microsoft Office (Word, PowerPoint, Excel), Canva, Draw.io
- Basic experience with: Data Modeling (ERD), Vite, Environmental Variables Handling, Postman

### Other Technical Skills

- Basic experience with Debugging and Troubleshooting, Responsive Design, Version Control workflows
- Basic understanding of Software Development Life Cycle (SDLC), Agile Methodology

### Languages

- English (Proficient), Mandarin (Fluent), Bahasa Melayu (Conversational)

## AWARDS AND ACHIEVEMENTS

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### Dean's List Award

- Sunway University – Bachelor of Software Engineering (April 2024 & February 2025 Semester)

### Jeffrey Cheah ACE Scholarship

- Sunway College – Foundation in Arts (2023)

### Jeffrey Cheah Entrance Scholarship

- Sunway College – SPM Results (2022)

## EXTRA CURRICULUM

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### Sunway Music Society – Sunway University, Malaysia

April 2023 – January 2025

#### **Committee Member – Public Relations Department (PR)**

- Managed event promotions and content creation across Instagram
- Co-hosted club events as emcee and produced behind-the-scenes Instagram stories/reels
- Collaborated with 30+ committee members to execute university-wide music showcases
- Responded to public inquiries and promoted the club through DMs and event follow-ups
- Represented the club through performances and liaison duties at both internal and external events (e.g., Sunway University Sunfest Event, TARUMT Aloha Fes, Leo Forum Banquet Night)
- Promote the club to students during campus-wide events such as CNS Day
- Strengthened communication and teamwork skills through inter-department and cross-university coordination