LIM EXCELYYNX

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LinkedIn profile | GitHub | My Portfolio Web

BACKGROUND

- Motivated Year 2 Software Engineering undergraduate with a foundation in programming, problem-solving, and software development using Java, Python), HTML, CSS,and JavaScript.
- Experienced in applying structured logic, debugging techniques, and testing principles through academic projects and personal initiatives.
- Quick learner with a keen eye for detail and a passion for delivering clean, efficient, and maintainable code.

COCURRICULAR EXPERIENCE

Engineers Australia Monash Malaysia Student Society
Vice Publicity Officer **Dec 2024 - Present**

- ❖ Manage EAMMSS social media page
- ❖ Create visual post to promote events using Canva and
- ❖ Photo editing tools.
- ❖ Create captivating captions for event promotions.
- ❖ Create post-events reel and videos.

2025 MAS Weightlifting League Amateur Weightlifting Meet
Volunteer **Apr 2025**

- ❖ Guided participants and spectators to designated areas, ensuring smooth event flow.
- ❖ Loaded weightlifting plates according to competition requirements, following safety protocols.
- ❖ Recorded and tracked participants' lifts with accuracy for official scoring.

EDUCATION

BACHELOR OF SOFTWARE ENGINEERING
MONASH UNIVERSITY **2024 — 2027**
Current CGPA: 4.00
Relevant coursework: Object Oriented Design and Implementation (Java), Software Engineering Process and Management, Software Quality and Testing, Fundamentals of Algorithm and Data Structures, Engineering Smart System (Electrical and Computer System), Engineering Numerical Analysis, Introduction to Programming (python), Programming Fundamentals in Java

MONASH UNIVERSITY FOUNDATION YEAR
SUNWAY COLLEGE **2023 — 2024**
MUFY Score: 97.63

MUFY Subject Award for Top Scorer in Advanced Mathematics Unit 1 and Unit 2, Monash University High Achiever Award

SMK TINGGI ST DAVID, MELAKA **2018 — 2022**

- ❖ SPM 2022 - Straight A+ Achiever (9A+)
- ❖ JPA LSPM Scholar
- ❖ 2022 National Debating Competition 5th Placing

PROJECTS

Personal Portfolio (Tailwind CSS, React, Lucide-React, Emailjs)

- Clean, responsive design optimized for all devices including functional contact form powered, minimal yet aesthetic UI styled with Tailwind CSS, with dark/light mode toggle.
- Personal Portfolio github
- Personal Portfolio hosted link (Vercel)

Travel Planner (NeonDB, Nextjs, GoogleMap API, React, Lucide-React, UploadThing API, GitHub OAuth, PostgreSQL)

- A full-stack trip planning web app that enables users to sign in with their GitHub account, create personalized travel itineraries and visualize destinations on an interactive Google Map. Integrated a 3D rotating globe to showcase visited locations and implemented a drag-and-drop itinerary planner for seamless trip organization.
- Deployed on Vercel with NeonDB for scalable cloud database management.
- Travel Planner github
- Travel Planner hosted link (Vercel)

Cloned Google Gemini Chat (React, Google Gemini API)

- A lightweight Gemini-style AI chat interface built using React, Lucide React and Google Gemini API, recreating a modern conversational UI with prompt input, AI responses, and polished UI components.
- Cloned Google Gemini Chat github

Crypto Dashboard using CoinGecko API (React, Rechart, CoinGecko API)

- Responsive crypto tracking web application that displays real-time cryptocurrency data using the CoinGecko API. Users can browse top cryptocurrencies, view detailed metrics, and explore a 7-day interactive chart powered by Recharts.
- Crypto Dashboard github
- Crypto Dashboard hosted link (Vercel)

About Me Quiz (React)

- Clean, responsive design optimized for all devices including functional contact form powered, minimal yet aesthetic UI styled with Tailwind CSS, with dark/light mode toggle.
- About Me Quiz github
- About Me Quiz hosted link (Vercel)

Weather App using the OpenWeatherAPI (HTML, CSS, JS, OpenWeatherAPI)

- Applied HTML, CSS and JavaScript to develop a weather web that allows users to search a city and obtain a weather forecast.

- WeatherApp github
- WeatherApp hosted link (GitHub pages)

TicTacToe Game (HTML, CSS, JS)

- Applied HTML, CSS and JavaScript to develop a classic tic tac toe game where players can play with computers.
- TicTacToe github
- TicTacToe hosted link (GitHub pages)

POMODORO TIMER (HTML, CSS, JS)

- Applied HTML, CSS and JavaScript to develop a Pomodoro timer that can run for 25:00 working time, 5:00 quick rest time and 10:00 long rest.
- Used styling to make the pomodoro appear appealing.
- Pomodoro github
- Pomodoro hosted link (GitHub pages)

TO-DO LIST (HTML, CSS, JS)

- Applied HTML, CSS and JavaScript to develop a simple to-do list where user can delete, update tasks on the web.
- ToDoList github
- To-do List hosted link (GitHub pages)

CONSOLE BASED EXPLORER ROGUE BASED GAME (JAVA)

- Applied Java's object oriented principles (SOLID, enums, interface, polymorphism, inheritance) using the provided game engine to create an Explorer vogue-based games.
- The game includes features like teleportation, game actor interactions, and win-lose simulation.
- Rogue-based Game gitlab

Text to Speech Converter (HTML, CSS, JS, Browser SpeechSynthesis API)

- Applied HTML, CSS and JavaScript to develop a text to speech converter where user can input their text, select a voice and hear an audible speech.
- TextToSpeechConverter github
- TextToSpeechConverter hosted link (GitHub pages)

WEIGHLIFTING MANAGEMENT SYSTEM (Python, HTML, CSS, JS, Hypothesis, Selenium and unittest)

- Develop a WLMS that registers athletes, validates for registration of athletes, and determines barbell setup for a liftoff.
- The main goal of this project is to practice conducting unit tests using Python's unittest, mocking, Selenium and Hypothesis.
- Identified and prioritised quality attributes for the WLMS, designed test cases using black and white box tests, different testing techniques and selected appropriate quality assurance strategies.
- Implement software tests following a documented plan, modern programming technique and best practices.
- WLMS github

TRAFFIC CONTROL SYSTEM PROJECT

- Used python's Pymata4 package and electronic kits (Arduino, 556 timer, MOSFET, active and passive buzzers, LEDs, shift register) to conduct a 5-in-1 (5 subsystem in 1 Arduino board and 1 codebase) integrated traffic light system.
- Integration of software (python's Pymata4 and logic implementation), electronic hardware and circuit analysis knowledge.
- This project delivered a traffic control system that controls vehicles, pedestrian traffic, intersections and crossings to help manage traffic flow.
- IntegratedTrafficLight source code github

SKILL

SOFTWARE:
Python (NumPy, matplotlib, mock, unittest, Pymata4, Selenium, Hypothesis), Postman, Java, CSS, HTML, JavaScript, React, Nextjs, NeonDB, Vercel

DESIGNING:
Canva, Figma, SolidWork, AutoCAD, ArcGIS

LANGUAGE

LANGUAGE: English (Proficient), Malay (Proficient), Chinese (Native)