



# TIMOTHY ADAMS JENUIL

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A final year Computer Science student with expertise in web development using Vue.js, Tailwind CSS, and Bootstrap, as well as mobile development using Flutter. Eager to expand my skill set and work with seasoned professionals. Passionate about programming competitions and open-source projects.

## Education

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<b>Bachelor in Computer Science (Hons.)</b>	2021—2024
Management and Science University (MSU), Selangor	CGPA: 3.82
1x President’s List Award	MUET: 4.0
5x Dean’s List Awards	
<b>Foundation in Computer Science</b>	2019—2020
Universiti Teknologi PETRONAS (UTP), Perak	CGPA: 3.86
3x Dean’s List Awards	
<b>Pure Science &amp; Computer Science</b>	2014—2018
SMK Tansau, Sabah	SPM: 8A 1B
Top SPM subjects within school for Math, Additional Math, Physics, and Computer Science	(3A+ 2A 3A- 1B+)

## Achievements

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<b>App Innovation Challenge (AIC)</b>	Jul 2022—Mar 2023
<i>Consolation Prize</i>	
<ul style="list-style-type: none"><li>Developed a mobile app to detect dry eye syndrome accurately.</li><li>Utilized Flutter for the frontend and Python for the convolutional neural network break-up time (CNN-BUT) algorithm.</li></ul>	
<b>Oh My Code! (OMC)</b>	Nov 2019
<i>First Runner Up</i>	
<ul style="list-style-type: none"><li>Developed a desktop app to streamline the order-to-delivery (OTD) process for an Arabian restaurant at UTP.</li><li>Utilized Visual Basic for the frontend and text files as the local database.</li></ul>	

## Activities

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<b>GitHub Octernships &amp; Open Source Exploration (GOOSE)</b>	Mar 2023
<i>Asia Pacific University (APU), WP Kuala Lumpur</i>	
<ul style="list-style-type: none"><li>Leveraged GitHub Student Developer Pack to access valuable resources for professional development.</li><li>Received internship experiences sharing, career advice, and insights from tech leads and HR professionals at renowned companies.</li></ul>	

### **AIBIM-INCEIF GIF22 Hackathon**

Oct 2022

*INCEIF University, WP Kuala Lumpur*

- Developed a mock-up online forum for the Shariah scholar community to streamline collaboration and decision making for issuing Shariah decisions.
- Utilized Laravel and Tailwind CSS for the frontend.

### **National Pre-UTPHax IoT Skill Development**

Dec 2019

*Universiti Teknologi PETRONAS (UTP), Perak*

- Built a simple Arduino device to demonstrate practical understanding of Internet of Things (IoT).
- Developed a website to communicate with and manage the device.

## **Projects**

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### **Digital Portfolio**

2023

- Developed a website to showcase my work and skills effectively.
- Utilized Nuxt.js, Tailwind CSS, and daisyUI for the frontend.
- Hosted on GitHub Pages with a custom domain.

### **Sentinel**

2023

- Developed an online exam website that utilizes artificial intelligence (AI) to proctor students during exam.
- Utilized Bootstrap 5 for the frontend and PHP, together with MariaDB, for the backend.
- Leveraged a library called face-api.js to detect faces in real time.

### **Smart Secure Access Application using Internet of Things (IoT)**

2023

*\* Bachelor's Final Year Project*

- Built a custom smart door lock using two microcontrollers, ESP32-CAM and ESP8266.
- Programmed both microcontrollers to handle other smart door locks components including smart Wi-Fi configuration.
- Developed a mobile app to control the custom-built smart door lock.
- Utilized Flutter for the frontend and Firebase services for the backend namely Authentication, Cloud Firestore, Real-Time Database (RTDB) and Storage.

## **Technical Skills**

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### **Languages:**

Comfortable: HTML5, CSS3, JavaScript, PHP, Java, Python

Familiar: Dart, C++, C# (Arduino & Unity), Visual Basic, PowerShell, Bash, Vim, Zsh

### **Frameworks & Libraries:**

Nuxt.js, Vue.js, Tailwind CSS, daisyUI, Bootstrap 5, Flutter, OpenCV

**Databases:** Firebase, MariaDB, MySQL

**Version Control:** Git

**Operating Systems:** Windows, macOS, Ubuntu (WSL), openSUSE Leap

## **Languages**

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**English:** Proficient

**Malay:** Native