



# TIMOTHY ADAMS JENUIL

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Puchong, Selangor

[github.com/tmthyadms](https://github.com/tmthyadms)

[tmthyadms.com](https://tmthyadms.com)

A recent Computer Science graduate with expertise in **web development** using Vue.js and Tailwind CSS. Experience in **mobile app development** using Flutter and **desktop app development** using .NET. Eager to expand my skill set and work with seasoned professionals. Passionate about programming competitions and open-source projects.

## Experience

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### Software Engineer

*MiLA Asia Sdn Bhd*

Apr 24—Present

- Maintained desktop application that utilizes .NET framework and Syncfusion library.
- Collaborated with civil engineers to address bug reports and implement enhancements for various construction software solutions.

### Frontend Support Intern

*Benefit Solutions Asia Sdn Bhd*

Aug 23—Jan 24

- Resolved ad-hoc frontend issues and developed user interface components to optimize user experience and enhance web app functionality that utilizes Nuxt and Bootstrap frameworks.
- Localized web content into multiple languages using Vue I18n to broaden accessibility.
- Built an end-to-end (E2E) automated testing using Playwright for efficient quality assurance processes.
- Developed a custom Playwright wrapper to streamline API interactions, alongside implementing a REST API for configuring the E2E test environment.
- Implemented sophisticated modules, e.g., form fillers, and extended Day.js library into a plugin to streamline testing procedures and improve date and time handling accuracy.

## Education

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### Bachelor's in Computer Science (Hons.)

Management and Science University (MSU), Selangor  
1x President's List Award  
5x Dean's List Awards

2021—2024 (Expected)

CGPA: 3.84  
MUET: 4.0

### Foundation in Computer Science

Universiti Teknologi PETRONAS (UTP), Perak  
3x Dean's List Awards

2019—2020

CGPA: 3.86

### Pure Science & Computer Science

SMK Tansau, Sabah  
Top SPM subjects for Math, Add. Math, Physics, and Computer Science within the school.

2014—2018

SPM: 8A 1B  
(3A+ 2A 3A- 1B+)

## Achievements

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### Apps Innovation Challenge (AIC) 2022

Jul 22—Mar 23

#### Consolation Prize

- Built a mobile app, EyeBuddy, to detect dry eye syndromes using convolutional neural network.
- Utilized Flutter for the frontend.
- Utilized Firebase for the backend.
- Utilized Python for the convolutional neural network.

### Oh My Code! (OMC) 2019

Nov 19

#### First Runner Up

- Built a desktop app to streamline the order-to-delivery (OTD) process for a restaurant in UTP.
- Utilized Visual Basic for the frontend and text files for the local database.

## Activities

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### GDG George Town DevHack 2023

Oct 23—Nov 23

- Built an employment website, Jobzone, to evaluate fraudulent job posting using machine learning.
- Utilized Nuxt 2, Tailwind CSS, and daisyUI for the frontend.
- Utilized Flask and MongoDB for the backend.
- Utilized XGBoost for the machine learning.

### Open-Source Contributions

Nov 23—Present

- Contributed to open-source repositories on GitHub.
- **saadeghi/daisyUI** (*component library for Tailwind CSS*): Fixed several errors in code examples.

### GitHub Octernships & Open Source Exploration (GOOSE)

Mar 23

#### Asia Pacific University (APU), WP Kuala Lumpur

- Utilized GitHub Student Developer Pack to access resources for professional development.
- Received career advice and insights from tech leads at renowned companies.

### AIBIM-INCEIF GIFF22 Hackathon

Oct 22

#### INCEIF University, WP Kuala Lumpur

- Built 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 19

#### 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 v2, [www.tmthyadms.com](http://www.tmthyadms.com)

2024

- Rebuilt the initial digital portfolio with updated technologies and design enhancements.
- Utilized Nuxt 3, Tailwind CSS, PrimeVue, and TypeScript for the frontend.
- Deployed to Vercel with a custom domain.

### Digital Portfolio, [tmthyadms.github.io/portfolio/](http://tmthyadms.github.io/portfolio/)

2023

- Built a website to showcase my works and skills.
- Utilized Nuxt 2, Tailwind CSS, and daisyUI for the frontend.
- Deployed to GitHub Pages.

## Sentinel

2023

- Built an online assessment website to proctor students' activity using neural network.
- Utilized PHP and Bootstrap 5 for the frontend, together with MariaDB, for the backend.
- Utilized a library called face-api.js for the real-time face detection.

## LockNRoll

2023

\* *Bachelor's Final Year Project*

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

## Technical Skills

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### Languages:

Comfortable: HTML5, CSS3, JavaScript, TypeScript, C#, Python

Familiar: PHP, Java, Dart, C++, Visual Basic, Vim, PowerShell, Bash, Zsh

**Frameworks:** Nuxt, Vue.js, .NET, Tailwind CSS, Bootstrap, Playwright, .NET, Laravel, Flask, Flutter

**Libraries:** PrimeVue, daisyUI, Syncfusion, OpenCV

**Databases:** Firebase, MongoDB, MariaDB, MySQL

**Version Control:** Git

### Operating Systems:

Microsoft Windows, macOS, Ubuntu (WSL), openSUSE Leap

## Languages

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**English:** Proficient

**Malay:** Native

## Reference

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**Chew Kok Hoor**, Chief Technology Officer  
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