



TIMOTHY ADAMS JENUIL

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github.com/tmthyadms

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

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

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

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

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

Digital Portfolio v2, 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/

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

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

English: Proficient

Malay: Native

Reference

Chew Kok Hoor, Chief Technology Officer
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