



TIMOTHY ADAMS JENUIL

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github.com/tmthyadms

tmthyadms.com

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

Experience

Frontend Support Intern

Aug 23—Jan 24

Benefit Solutions Asia Sdn Bhd

- Resolved ad-hoc frontend issues and developed new page components.
- Localized web content into Chinese using Vue I18n.
- Built an end-to-end (E2E) automated testing for the main web app using Playwright.
- Created sophisticated modules to assist the testing e.g., form filler.
- Extended Day.js library into a plugin to align the with context of the web app for the testing.

Education

Bachelor's in Computer Science (Hons.)

2021—2024 (Expected)

Management and Science University (MSU), Selangor

CGPA: 3.82

1x President's List Award

MUET: 4.0

5x Dean's List Awards

Foundation in Computer Science

2019—2020

Universiti Teknologi PETRONAS (UTP), Perak

CGPA: 3.86

3x Dean's List Awards

Pure Science & Computer Science

2014—2018

SMK Tansau, Sabah

SPM: 8A 1B

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

(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.
- 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 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, Python

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

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

Libraries: PrimeVue, daisyUI, OpenCV

Databases: Firebase, MongoDB, MariaDB, MySQL

Version Control: Git

Operating Systems:

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

Languages

English: Proficient

Malay: Native