TIMOTHY ADAMS JENUIL

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A final year Computer Science student with expertize 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.

Education

Bachelor's in Computer Science (Hons.)   2021—2024
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   (3A+ 2A 3A- 1B+)
within the school.

Experience

Frontend Support   Aug 23—Jan 24
Benefit Solutions Pte Ltd   Internship
- Resolved front-end issues.
- Developed new components.
- Built an end-to-end (E2E) automated testing using Playwright.

Achievements

Apps Innovation Challenge (AIC) 2022   Jul 22—Mar 23
Consolation Prize
- Built a mobile app 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 to evaluate fraudulent job posting using machine learning.
- Utilized Nuxt, Tailwind CSS, and daisyUI for the frontend.
- Utilized Flask and MongoDB for the backend.
- Utilized XGBoost for the machine learning.

GitHub Octernships & Open Source Exploration (GOOSE)   Mar 23
Asia Pacific University (APU), WP Kuala Lumpur
- Utilized GitHub Student Developer Pack to access valuable resources for professional development.
- Received career advice and insights from tech leads at renowned companies.

AIBIM-INCEIF GIF22 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   2023
- Built a website to showcase my works and skills.
- Utilized Nuxt, Tailwind CSS, and daisyUI for the frontend.
- Hosted on GitHub Pages with a custom domain.

Sentinel   2023
- Built an online assessment website to proctor students using artificial intelligence (AI).
- 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 & Libraries:
 Nuxt, Vue.js, Tailwind CSS, daisyUI, Playwright, Bootstrap, Flask, Flutter, OpenCV
Databases: Firebase, MongoDB, MariaDB, MySQL

Version Control: Git
Operating Systems: Windows, macOS, Ubuntu (WSL), openSUSE Leap

Languages

English: Proficient   **Malay**: Native