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 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 within school for Math, Additional Math, Physics, and   (3A+ 2A 3A- 1B+)
    Computer Science

Achievements

Apps Innovation Challenge (AIC)   Jul 2022—Mar 2023
Consolation Prize
- Developed a mobile app to detect dry eye syndrome accurately.
- Utilized Flutter for the frontend and Python for the convolutional neural network break-up time (CNN-BUT) algorithm.

Oh My Code! (OMC)   Nov 2019
First Runner Up
- Developed a desktop app to streamline the order-to-delivery (OTD) process for an Arabian restaurant at UTP.
- Utilized Visual Basic for the frontend and text files as the local database.

Activities

GitHub Octernships & Open Source Exploration (GOOSE)   Mar 2023
Asia Pacific University (APU), WP Kuala Lumpur
- Leveraged GitHub Student Developer Pack to access valuable resources for professional development.
- Received internship experiences sharing, career advice, and insights from tech leads and HR professionals at renowned companies.

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

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 utilized 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.

LockNRoll   2023
* *Bachelor's Final Year Project*
- 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.
- 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.

MSU iReX 14.0 Infohunt eQuiz   2022
- Developed an online quiz website as a checkpoint for the event participants.
- Hosted on GitHub Pages.
- Generated a QR code to link to the website.

Technical Skills

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

English: Proficient   **Malay**: Native