TUAN AHMAD WAFIQ BIN TUAN MAHMUD

Web/System Developer

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PERSONAL PROFILE

Fresh graduate in Bachelor of Computer Science (Hons) from UiTM Kuala Terengganu with a CGPA of 3.7 and consistent Dean's List recognition. Experienced in web development and machine learning, with a good foundation in software engineering principles. Eager to apply my technical expertise in a professional environment.

WORK EXPERIENCE

Web Developer Intern, JAZRO Robotic Academy, Kerteh, Kemaman   **Sep 2022 — Feb 2023**

- Designed and developed a fully functional website using HTML, CSS, and JavaScript.

Web Developer Intern, Tamarix Onesolutions Sdn Bhd, Cyberjaya, Selangor   **Mar 2025 — Jun 2025**

- Developed and maintained responsive websites using HTML, CSS, JavaScript, and PHP.
- Converted static pages into dynamic templates, enhancing system functionality and maintainability.
- Assisted in system testing and quality assurance, including UAT scripting and bug reporting.
- Prepared technical documentation, user guides, and multimedia tutorials to support system delivery.
- Deployed websites to live servers and utilized Beyond Compare for version control and file synchronization.

EDUCATION

UiTM Kuala Terengganu, Terengganu, Bachelor of Computer Science (Honours)   **2023 - 2025**

- Achievements: Dean's List for 3 out of 4 semesters, CGPA: 3.70

UiTM Machang, Kelantan, Diploma of Computer Science   **2021 - 2023**

- Achievement: Vice Chancellor Award, Best Student Award, CGPA: 3.85

SMK (A) Tok Bachok Bachok, Kelantan, Malaysian Certificate of Education (SPM)   **2015 - 2019**

- Achievement: SPM Result: 8A, 2B, 1C

SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Web Development:** HTML, CSS, PHP, React.js, Node.js, Express.js
- **Database Management:** MySQL, MongoDB
- **Machine Learning:** Collaborative Filtering, Convolutional Neural Networks (CNN)
- **Frameworks & Libraries:** MERN Stack, MVC, Flutter, Angular, TensorFlow, Pandas
- **Tools & Technologies:** Git, Visual Studio Code, Firebase, Beyond Compare, Mongoose, Postman
- **Languages:** Malay (Native), English (Fluent), Arabic (Advanced)
- **Strengths:** Problem-solving, responsible, reliable, hardworking, and effective in team environments

COMPUTER PROJECTS

Edublock Website

- Designed and implemented an interactive educational platform during an internship, enabling children and young programmers to learn coding concepts using Blockly.
- Developed functionalities using JavaScript to control a robot, EduBot, through coding challenges and convert visual Blockly code into JavaScript.
- Built a responsive and user-friendly interface using HTML and CSS, ensuring an engaging and seamless user experience.

Video Game Recommendation System Using Collaborative Filtering

- Developed a personalized video game recommendation system utilizing Non-Negative Matrix Factorization (NMF) for collaborative filtering to analyze user preferences and behaviors.
- Implemented efficient backend processing to generate and deliver recommendations based on user interaction data.
- Designed and tested a prototype interface to showcase recommendations and improve user experience.

Real-Time Sign Language Recognition System

- Developed a system to translate sign language gestures into text using machine learning and computer vision.
- Utilized OpenCV and MediaPipe for hand landmark detection and trained a Random Forest classifier with Scikit-Learn for gesture recognition.
- Integrated real-time video processing to dynamically display recognized gestures as text.

WORKSHOP AND TRAINING

Flutter Workshop – Hands on Mobile Apps Development

- **Organizer:** Universiti Teknologi MARA (UiTM), Kuala Terengganu, Terengganu in collaboration with Globalite Sollution.
- **Description:** Participated in a two-day workshop on Flutter, covering mobile app development fundamentals and hands-on application building.

Angular Workshop – Building Dynamic Web Apps With Precision

- **Organizer:** Universiti Teknologi MARA (UiTM), Kuala Terengganu, Terengganu in collaboration with Globalite Sollution.
- **Description:** Participated in a two-day workshop on Angular, focusing on web application development using modern frameworks.

REFERENCES

- Dr Najiahtul Syafiqah Binti Ismail,
  Academic Advisor Faculty of Computer Science and Mathematics,
  UiTM Cawangan Terengganu, Kampus Kuala Terengganu
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