TUAN KHALIDAH SYAZWANA BINTI TUAN MOHD KASMAWI

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ⓘ https://www.linkedin.com/in/tuan-khalidah-syazwana

⌨ https://github.com/wanai220118

EDUCATION

Tun Hussein Onn University of Malaysia	Johor, Malaysia
Bachelor of Computer Science (Software Engineering) with Honours; Current CGPA:3.42	**October 2022 – current**
Pahang Matriculation College	Pahang, Malaysia
Science Stream (Physical Science); GPA: 3.63	**October 2021 – July 2022**
SMK Agama Dato' Haji Abbas	Terengganu, Malaysia
Malaysian Certificate of Education (SPM); 7A 3B 1C	**January 2019 – February 2021**

SKILLS SUMMARY

- Languages: Python, SQL, Java, JavaScript, C, C++, HTML, CSS, PHP, R, XML
- Frameworks & Libraries: Pandas, Bootstrap, Laravel
- Tools & Technologies: Excel, PowerPoint, Git, GitHub, Laragon, Firebase, MySQL, XAMPP
- Platforms & IDEs: Visual Studio Code, IntelliJ IDEA, Android Studio, RStudio, DEV C++, Linux
- Soft Skills: Communication, Problem-Solving, Teamwork, Adaptability, Time Management, Critical Thinking, Leadership, Creativity

WORK EXPERIENCE

System Developer Intern | MAIDAM   **August 2025 – January 2026**

- Developed and enhanced PHP-based web systems using MySQL, ensuring smooth functionality across user, staff, and admin modules.
- Implemented secure authentication features including password reset, validation, and strong password enforcement.
- Designed and optimized document upload and file replacement logic, improving system efficiency and preventing duplicate data.
- Created automated email notification systems for status updates, integrating with admin and staff workflows.
- Improved UI/UX performance using responsive layouts, visual feedback, and modern design practices for better user experience.

PROJECTS

Syarie Lawyer System   **August 2025 – current**

- Developed a web-based Syarie Lawyer Management System using PHP and MySQL, supporting three user levels: user, admin, and staff.
- The system enables lawyers to apply for certification, renewal, and appeals, with multi-phase processing that includes payment, interview, and approval (Majlis Tauliah).

GlowGuide Mobile Application   **October 2024 – June 2025**

- Developed a mobile application integrating both e-commerce features and online consultation booking for treatment services.
- Built a web-based admin panel using the Laravel framework for managing users, products, and bookings.
- Developed the mobile app using Java in Android Studio, focusing on a user-friendly interface and real-time data sync.

Image-Based Detection of Rice Leaf Diseases Using Deep CNN Models | Group Project   **June 2025**

- Implemented deep convolutional neural network (CNN) models to classify and detect rice leaf diseases from image data.
- Applied image preprocessing, training, and evaluation to develop an automated disease detection system with high accuracy.

Predicting Diabetes with Classification Algorithm | Group Project   **May 2025**

- Built a predictive model using classification algorithms like Random Forest, Logistic Regression, and K-Nearest Neighbors (KNN) on a diabetes dataset.
- Applied data preprocessing, feature selection, and model evaluation techniques to improve prediction accuracy.

Evaluating Shortest Path Solutions | Group Project   **April 2025**

- Analyzed and compared various shortest path algorithms such as Dijkstra's, Breadth First Search and Depth First Search for performance and efficiency.
- Evaluated algorithmic complexity and accuracy across different graph structures and datasets.

Analyzing Air Quality And Health Impact In India | Group Project   **January 2025**

- Used Power BI and DAX formulas to analyze and visualize air quality data.
- Applied various analytics methods (descriptive to prescriptive) to assess health implications.

E-KOOP Inventory Web Based System | Group Project   **July 2024**
- Developed a web-based system to track and manage inventory, including product details, stock levels, and reorder points, for efficient inventory control.
- Utilized a relational database to store and manage data, ensuring accurate records and seamless updates for products, suppliers, and transactions.

Tic-Tac-Toe Game App | Group Project   **June 2024**
- Built an interactive Tic Tac Toe game using Java in Visual Studio Code.
- Implemented game logic and GUI components for a functional user experience.

Small Office Home Office (SOHO) Network Design With Guest Network & A Campus   **June 2024**
Network Design For A College | Group Project
- Designed a secure and efficient network for small offices or home offices, including a guest network for visitors to ensure security and privacy for internal resources.
- Developed a comprehensive campus-wide network for a college, focusing on scalability, security, and connectivity to support academic, administrative, and guest services across the campus.

Scripting Programming & Simple Messaging Between Server And Client(S) In Virtual   **January 2024**
Machine | Group Project
- Executed server-client messaging and backup operations in a virtual environment using Kali Linux and Ubuntu.
- Demonstrated basic scripting and communication protocols within virtual machines.

Employee Payroll System | Group Project   **January 2024**
- Developed a system to calculate and manage employee salaries, including deductions, bonuses, and tax calculations.
- Utilized OOP principles like classes, inheritance, and polymorphism to create a modular, scalable, and maintainable payroll system for handling employee data and payroll functions.

Depth First Search* (Graph: Map Coloring) | Group Project   **December 2023**
- Utilized Depth First Search (DFS) to traverse and color the regions of a map (represented as a graph) such that no two adjacent regions share the same color.
- Demonstrated concepts from graph theory, particularly node adjacency and traversal algorithms, to solve the classic map coloring problem effectively.

Network Setting In Virtual Machine | Group Project   **October 2023**
- Configured a virtual network environment using Oracle VirtualBox and Ubuntu OS.
- Applied key concepts of OS structure and demonstrated essential skills in virtual machine operations.

CERTIFICATES

Data Mining and Decision Making: Predictive Analytics for Business Strategies | CERTIFICATE   **May 2025**
- Applied predictive modeling techniques to support data-driven business decisions.
- Utilized tools and methods such as regression, classification, and decision trees to extract actionable insights from data.

Data Structures & Algorithms in Python: Sorting Algorithms | CERTIFICATE   **May 2025**
- Implemented and analyzed sorting algorithms such as Bubble Sort, Merge Sort, and Quick Sort using Python.
- Evaluated time and space complexity to compare algorithmic performance in various scenarios.

Power BI Data Modelling Basics Tutorial Course | CERTIFICATE   **November 2024**
- Understand data relationships, hierarchies, and schema design.
- Learn DAX formulas for calculations and optimizing data models.

Power BI for Beginners | CERTIFICATE   **November 2024**
- Introduction to Power BI, including data visualization and dashboard creation.
- Learn how to import, clean, and transform data for reporting.

SAS Visual Analytics 1 for SAS Viya: Basics | CERTIFICATE   **November 2024**
- Learned to create interactive reports and dashboards using SAS Visual Analytics.
- Developed skills in data preparation, visualization techniques, and interpreting analytical insights.

SAS Viya Overview | CERTIFICATE   **November 2024**
- Gained foundational knowledge of the SAS Viya platform, including its architecture, capabilities, and integration features.
- Explored cloud-native analytics tools for data processing, visualization, and model deployment.

CCNA: Introduction to Networks (Cisco) | CERTIFICATE   **August 2024**
- Gained foundational knowledge of networking concepts, including IP addressing, Ethernet, and network protocols.
- Learned to configure and troubleshoot basic network devices to establish secure and reliable network connections.

PARTICIPATION

i.	Seminar Pemuliharaan Senibina Warisan 2024	August 2024
ii.	Majlis Anugerah Dekan Fsktm	June 2024
iii.	Konvensyen Intelek Madani: Belanjawan 2025 (AJK Media)	April 2024
iv.	Taklimat Pengetua Kkdk	May 2023
v.	Program Nuzul Quran Dan Ghazwah Badar Al Kubra	April 2023
vi.	Townhall Jawatankuasa Pemilihan Majlis Perwakilan Pelajar (JPMPP) UTHM Sesi 2022/2023	December 2022
vii.	Sport And Games Challenge: Bola Baling	February 2022
viii.	Sihat Santai: Konda Kondi (Naib Pengerusi)	February 2022
ix.	Bicara @ Muzium: Sungai Lembing Sebagai Muzium Hidup-Menuju Pengiktirafan Sebagai Tapak Warisan Dunia (UNESCO)	September 2021

REFERENCES

En. Ahmad Nordin Bin Alias
Penolong Kanan Setiausaha (Teknologi Maklumat)
MAJLIS AGAMA ISLAM DAN ADAT MELAYU TERENGGANU (MAIDAM)
Phone: 096303099
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Note: He was my industrial training supervisor.

Dr. Mohd Hamdi Irwan Bin Hamzah
DS13 Senior Lecturer
Faculty of Computer Science and Information Technology, UTHM
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Note: He was the supervisor for my final year project, titled GlowGuide Mobile Application.

Dr. Noor Zuraidin Bin Mohd Safar
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Note: He was my academic supervisor throughout my degree program.