



# MUHAMMAD AZWARIE BIN AZMAN

## My Contact

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## Co-curricular Activities & Academic Achievements

### Dean's List Recipient – Semesters 2 through 5 (UTeM)

- Consistently recognized for outstanding academic performance in the Bachelor of Computer Science (Database Management) program.

### Winner – Best System Award

- Workshop 2 Innovation Competition 2024/2025 (UTeM)
- Awarded for developing an innovative and effective system solution during the faculty's project-based competition, showcasing practical problem-solving and system design skills.

### Champion, Sukan Antara Fakulti (SAF)

- 2024 (SAF18) – Valorant
- 2023 (SAF17) – FIFA
- 2022 (SAF16) – Valorant
- Represented faculty in inter-faculty e-sports competitions, demonstrating teamwork, strategy, and performance under pressure.

## Education Background

- Sekolah Menengah Sains Sultan Haji Ahmad Shah (SEMSAS)  
*Sijil Pelajaran Malaysia (SPM)*  
2016–2020
- Universiti Teknologi MARA (UiTM), Dengkil  
*Foundation in Engineering*  
2021–2022
- Universiti Teknikal Malaysia Melaka (UTeM)  
*Bachelor of Computer Science (Database Management)*  
2022–2026

## About Me

As a final-year Bachelor of Computer Science (Database Management) student at Universiti Teknikal Malaysia Melaka (UTeM), I have developed strong foundational knowledge and practical skills through academic projects and coursework. I am eager to apply these skills and contribute actively to your company's innovative environment.

## Project

### Warehouse Inventory Management System *Individual Project (Workshop 1)*

- Developed a web-based system to manage warehouse inventory using PHP and MySQL.
- Implemented core functionalities including stock tracking, CRUD operations, and reporting dashboard.
- Designed an intuitive interface to streamline warehouse operations for non-technical users.

### Decision Support System for Hospital Overcrowding and Resource Allocation *Group Project (Workshop 2)*

- Designed and developed a web-based decision support system to address hospital overcrowding.
- Integrated data from multiple types of databases (MySQL, MariaDB, PostgreSQL) hosted across different platforms to enable centralized monitoring and coordination.
- Built dashboards for real-time patient admissions, bed availability, and resource allocation across departments.

### Data-Driven Decision Support System for Hospital Overcrowding *Final Year Project (FYP)*

- Developed a hybrid decision support system combining MySQL for structured data and Pinecone vector database for unstructured semantic search.
- Implemented a chatbot interface to allow medical staff to perform natural language queries, enhancing usability and real-time decision-making.
- Included visualizations such as admission heatmaps and predictive analytics to support emergency department operations.

## Hard Skill

- Programming: C, C++, Java, Python, PL/SQL, PHP, HTML, CSS, JavaScript
- Database: MySQL, PostgreSQL, MariaDB, SQL
- Tools: Pinecone, Git, GitHub, XAMPP, phpMyAdmin
- Systems: CRUD, DSS, Chatbot Integration, Dashboard Visualization
- Platforms: Linux, Windows

## Soft Skill

- Teamwork & Collaboration
- Problem Solving
- Communication
- Time Management
- Adaptability
- Critical Thinking
- Leadership