



SITI FAKHIRA BINTI SAHIDAN

I am a Bachelor of Computer Science specializing in Database Management with hands-on experience in PostgreSQL, MySQL, and full-stack development using PHP, HTML, CSS, and JavaScript. Skilled in database design, data analysis, database security and building functional web systems through academic projects. Quick to adapt in fast-paced environments and eager to contribute to real-world solutions while learning from industry professionals. I am actively seeking an internship placement as a data analyst, starting October 6, 2025, where I can apply my analytical and technical skills and gain valuable industry experience.

🏠 Kajang, Selangor

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✉ fakhirasahidan@gmail.com

EDUCATION BACKGROUND

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

2022 – PRESENT

Bachelor of Computer Science (Hons) (Database Management)

Muet: Band 4.5

CGPA: 3.52

JOHOR MATRICULATION COLLEGE

2020 – 2022

CGPA: 3.63

SMK SAUJANA IMPIAN

2015 – 2019

Sijil Pelajaran Malaysia (SPM) | 2019

PROJECT

FINAL YEAR PROJECT

MARCH 2025 – JUNE 2025

BATIKARTISAN: Smart Traditional Craft Workshop and Marketplace

- Developed a web-based platform using PHP and PostgreSQL to empower local batik artisans in managing product listings, workshop bookings, and online sales.
- Integrated payment gateway via API to enable secure online payments with real-time transaction.
- Implemented a database backup and recovery system using scheduled backups and point-in-time recovery.
- Applied responsive UI design using HTML, CSS, and JavaScript, ensuring accessibility and user-friendliness across devices.
- Deployed the platform on a public web server to enable remote access and scalable usage beyond localhost.

WORKSHOP II PROJECT

OCT 2024 – JAN 2025

Style Junction: Retail Shop Management System

- Developed a retail management system using PHP integrated with MySQL, PostgreSQL, and MariaDB, ensuring multi-database compatibility across Linux and Windows operating system.
- Used DBeaver for cross-database development, SQL scripting, and real-time query debugging.
- Configured ZeroTier virtual networking for secure multi-device access and remote testing
- Implemented scheduled database backup and recovery mechanisms enabling consistent data protection and rapid recovery in case of failure.
- Built the front-end interface using HTML, CSS, and JavaScript, focusing on responsive UI/UX design.

WORKSHOP I PROJECT

OCT 2023 – JAN 2024

Cafeteria Management System

- Developed a system using C++ and MySQL to manage daily university cafeteria operations and streamline backend processes.
- Focused on improving efficiency during peak hours by automating manual tasks such as order tracking, calculation and inventory stock.
- Utilized MySQL for creating normalized tables, executing SQL queries, and maintaining relational data.

ACHIEVEMENTS

DEANS'S LIST

Recognized for academic excellence for Semester 2 and Semester 5.

THE WORKSHOP II INNOVATION COMPETITION (2025)

Participated and compete the style junction: retail management system as an innovative project.

MINI TERRARIUM COMPETITION (2021)

Participated in the competition.

CHEMISTRY OLYMPIAD COMPETITION (2021)

Participant and top three entries in the competition.

MALAYSIAN NATIONAL CHEMISTRY QUIZ (2020)

Participant and achieved distinction for the quiz.

INTERNATIONAL LANGUAGE ACHIEVEMENT TEST (UPBA) (2019)

Passed with credit in Ujian Pencapaian Bahasa Antarabangsa (UPBA) language proficiency test in German language.

CERTIFICATIONS**GIS ESRI TRAINING (2024)**

Achieved certification and completed GIS training by ESRI with hands-on experience using ArcGIS Pro for map creation, spatial analysis, and data visualization.

MATLAB ONRAMP (2022)

Achieved certification and completed training by MathWorks on MATLAB fundamentals through the Onramp online course.

SKILLS

Programming: PHP, C++, JavaScript, HTML, CSS, Java, Python, R programming

Databases: PostgreSQL, MySQL, MariaDB

Tools: DBeaver, ZeroTier, XAMPP, phpMyAdmin, pgAdmin, MySQL workbench, Wireshark, Linux, ArcGis Pro

Software: Microsoft Office (Word, Powerpoint, Excel), Adobe (Photoshop, Illustration, Premiere Pro, Animation)

Language:

- Bahasa Malaysia – Native
- English – Proficient
- German – Basic

EXTRACURRICULAR ACTIVITIES**COMMITTEE MEMBER OF PERSATUAN KELAB FASILITATOR SAHABAT SISWA****2024 – 2025**

Universiti Teknikal Malaysia Melaka (UTeM)

FACILITATOR UTeM MINGGU HALUAN SISWA (MHS'24)**OCT 2024**

Universiti Teknikal Malaysia Melaka (UTeM)

SECRETARY, MICRO:BIT SECTION**27 MAY 2024**

Universiti Teknikal Malaysia Melaka (UTeM)

DEPUTY PROJECT DIRECTOR, RASPBERRY PI PICO**28 MAY 2024**

Universiti Teknikal Malaysia Melaka (UTeM)

DEPUTY DIRECTOR, ANNUAL GENERAL MEETING**17 MAY 2024**

Universiti Teknikal Malaysia Melaka (UTeM)

DEPUTY PROJECT DIRECTOR, CLOUD DATABASE APPLICATION IN SAAS**29 NOV 2023**

Universiti Teknikal Malaysia Melaka (UTeM)

SECRETARY OF SOFTWARE ENGINEERING CLUB**2023 – 2024**

Universiti Teknikal Malaysia Melaka (UTeM)

PEER ASSISTANCE LEARNING (PAL)**2021 – 2022**

Johor Matriculation College

COMMITTEE MEMBER OF KELAB REKREASI**2021 – 2022**

Johor Matriculation College