

Muhammad Ikhmal bin Ishak

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ABOUT ME

Highly motivated and passionate about constantly expanding my knowledge in the field of software development. Proficient in back-end coding, with the ability to adapt quickly to new technologies and programming languages. Seeking opportunities to leverage my skills and dedication to contribute to innovative and dynamic projects.

EDUCATION

UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH

Bachelor of Computer Science (Software Engineering) with Honours

Nov 2020-Current

- CGPA of 3.5
- Dean's List Academic Achievement Award recipient for 4 Semester
- FYP: Driver's Drowsiness Detection System Using Heart Rate Reading

KOLEJ MATRIKULASI KEJURUTERAAN JOHOR

Engineering

Oct 2018-Oct 2020

- CGPA of 3.63
- Dean's List Academic Achievement Award recipient for all Semester

WORK EXPERIENCE

SKRIBBLE LAB SDN. BHD

Backend Developer (Intern)

Mar 2024 - Sept 2024

- Developed a content management system (CMS) for Sunsuria company, focusing on backend development.
- Involved in Skribble Learn, a school management system, responsible for backend development and API creation.

GS MART

Sales Assistant/Cashier (Part-Timer)

July 2022 - Oct 2022

- Played a key role in stock management by restocking shelves, arranging displays, and maintaining a well-organized product presentation.
- Actively participated in closing duties, contributing to store organization and security.
- Proficiently handled cash transactions, ensure precision in providing change to customers.

NOTABLE PROJECT EXPERIENCE

DRIVER'S DROWSINESS DETECTION SYSTEM USING HEART RATE READING

FYP Project

Mar 2023-Jan 2024

- Developed a cutting-edge Driver's Drowsiness Detection System aimed at enhancing road safety. Highlighted collaboration and communication abilities while working with supervisor.
- Utilized IoT technology with a heart rate sensor to monitor the driver's vital signs in real-time.
- Implemented a machine learning model, specifically a Random Forest algorithm, for drowsiness detection.

BACTERIA DETECTION SYSTEM USING MACHINE LEARNING

Course Project

Dec 2023 – Jan 2024

- Collected images of hands exposed to UV light to detect the presence of bacteria.
- Trained a machine learning model to analyze and determine the percentage of bacteria on the hand.
- Evaluated the performance of different machine learning algorithms and selected the most effective one for the task.

PETAKOM MART MANAGEMENT SYSTEM

Course Project

Mar 2023-June 2023

- Designed and developed a comprehensive Faculty Mart Management System using Laravel.
- The system streamlines the management of faculty marts, offering features for inventory control, purchasing, and reporting.
- Implemented user authentication and authorization for secure access control.

TECHNICAL SKILLS & ABILITIES

TECHNICAL & COMPUTER SKILLS

- Excelled in Microsoft 360 Office.
- Expert in C, SQL, PHP, proficient in JAVA, JavaScript, and Python.
- Proficient in Machine Learning, Artificial Intelligence and implementation.
- Proficient in Laravel for web application development.
- Experienced in backend development using Strapi and creating APIs.

LANGUAGE SKILLS

- Native Malay speaker.
- Professional English speaker.
- Beginner Mandarin.

HONORS, ACTIVITIES & CERTIFICATE

- Dean's List for 4 Semester.
- Joined Yayasan UMP (An organization that involved in organizing events, programs, and initiatives that benefit the university community and the local region) 2021-2023.
- IBM Z Xplore – Concepts – IBM Certified, May 2024
- Web Development using Laravel - Mahiran Digital Sdn Bhd, March 2023
- API Development – Mahiran Digital Sdn Bhd, March 2023
- Introduction to HTML, CSS, JavaScript - Coursera, May 2024

REFEREES

Dr. Mohd Azwan Mohamad @ Hamza

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