MUHAMMAD ZULKARNAIN BIN HAMIDI

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ABOUT ME

A recent graduate with a Bachelor's Degree in Computer Science (Software Engineering) with Honours and a Diploma in Computer Science (IT), eager to apply technical skills and knowledge gained during academic studies to practical, real-world projects. Interests include software development, ERP, front-end development, and IT Security. Open to roles that enhance abilities and contribute significantly to team objectives and projects, while also being open to exploring new opportunities in related fields.

EDUCATION

Universiti Teknologi Malaysia, Skudai (2021 - 2024) CGPA: 3.55

Bachelor of Computer Science (Software Engineering) with Honours

Dean's List Semester 4 and 5

Universiti Teknologi Malaysia, Kuala Lumpur (2018 - 2021) CGPA: 3.55

Diploma in Computer Science (Information Technology)

Dean's List Semester 4, 5 and 6

Related Coursework - Database, Digital Logic, System Analysis and Design, Discrete Structure, Statistic, Data Structure and Algorithm, Computer Organisation and Assembly Language, Software Engineering, Mobile and Web Programming, Operating System, Software Development, User Interface, Computer Security, Object Oriented Programming, Artificial Intelligence, Computational Intelligence, Software Quality Assurance, Software Design and Architecture, Software Construction and Real-Time Software Engineering

EXPERIENCE

Web Developer (Internship)

Bike Bear SDN BHD (September 2023 – February 2024)   *Petaling Jaya, Selangor*

- Developed and maintained dynamic and responsive websites ensuring high performance and user-centric design
- Collaborated with websites designers and content producers to integrate visual and content elements
- Troubleshot and resolved website issues promptly, improving site uptime and user satisfaction
- **Skills and Tools**: Wordpress, HTML, CSS, JavaScript, React, Php

Software Developer (Internship)

Tuxuri SDN BHD (November 2020 - March 2021)   *Shah Alam, Selangor*

- Developed a user-friendly internal website to facilitate testing of website links for the DevOps team
- Developed web scraping programs for the company
- Gathered and organized data by scraping hundreds of websites, which was used in various geolocation analytics and reporting initiatives
- **Skills and Tools**: DevOps, Python, Laravel, JSON databases

ACTIVITIES

RoboKar Game 2024

Participant (2024)   *Johor, MY*

- Programmed a robot car to follow a track using Real-Time Software Engineering (RTSE) techniques as part of the course
- Competed against other groups, demonstrating technical skills and teamwork.
- Achieved 3rd place in the competition.

Challenges in Business

Seminar Crew Member (2022)   *Johor, MY*

- Facilitated sessions to instill fundamental principles of entrepreneurship among participants, fostering a mindset of innovation, business acumen, and creative problem-solving
- Provided participants with comprehensive insights into the functioning of local businesses.

Entrepreneurial Experience under UTM XCITE

Participant (2022)   *Johor, MY*

- Formulated a clear business purpose via identification of business and financial opportunities, risks and mitigations.
- Engaged in the end-to end operational flow i.e. planning, sourcing, costing and selling of products to the public.
- Designed and distributed e-flyers via various online platforms
- Developed and coordinated marketing strategies to facilitate the successful sale of products.

PROJECTS

- FC Students Mobility System – A web application for managing student mobility programs and study plans, serving both students and staff.
- Golden Rain App – A mobile application for the Golden Rain Trophy Shop, allowing users to customize and book trophies.
- Contact Management System – A platform for managing contact information, including integration with calling APIs for enhanced communication.
- Password Manager – A simple and secure password manager built with Python. This terminal-based application allows users to store, view, edit, and delete their passwords with ease.

SKILLS

- **Language**: Fluent in English and Malay (spoken and written).
- **Computer Skills:** Proficient in Microsoft Office, Visual Studio Code, Dev C++, Notepad++, XAMPP, Firebase, Figma, Adobe XD.
- **Programming Languages:** C, C++, Java, JavaScript, PHP, HTML, SQL, VB.NET, Python.
- **Web Developement:**
  - Experienced with Laravel, React, Vue, PHP, MySQL, PHPMyAdmin, and WordPress.
  - Proficient in CSS and Tailwind CSS for modern, responsive design.
  - Experienced in repairing computer hardware
  - Knowledgeable in integrating and managing web applications using AWS and DevOps practices.
- **Technical skills:**
  - Design and development of scalable web applications.
  - Familiar with development environments and version control systems (e.g., GitHub).
  - Experienced in repairing computer hardware
  - Understanding of software design architecture, design patterns, and architectural styles.
- **Practical skills:** Time management, problem-solving, adaptable, teamwork, organizational skill