



# MUHAMMAD SYUFI BIN SARIDIH

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## SUMMARY

Full-stack Developer and recent graduate experienced in building modern, responsive web applications using React, Typescript, Node.js, and Laravel. Proficient in version control using Git, including branching strategies, and pull request workflows. Genuinely enthusiastic about acquiring new knowledge and confident in my ability to quickly adapt to emerging technologies.

## EDUCATIONS

### University of Malaysia Sabah (UMS), Kota Kinabalu

September 2021 – Present

Bachelor of Computer Science with Honours (Software Engineering),  
CGPA: 3.29 | MUET: Band 4

### University of Malaysia Sabah (UMS), Kota Kinabalu

August 2020 – July 2021

Foundation In Information Technology,  
CGPA: 3.84

## EXPERIENCE

### Full-Stack Developer Intern | Trigon Tech | Selangor, Malaysia

March 2025 – Aug 2025

*Next.JS, React, Typescript, Laravel, Node.JS, Zustand, TailwindCSS, Bootstrap, PostgreSQL, MySQL, Milvus, Docker, Git*

- Designed high-fidelity UI/UX mock-ups in Figma, boosting workflow efficiency and usability.
- Developed 30+ reusable React TypeScript components, improving consistency across the systems.
- Built secure RESTful APIs with Laravel, and Node.js, ensuring scalable backend operations.
- Improved chatbot response accuracy by 25% with a contextual memory layer in a RAG pipeline.
- Resolved 100+ bugs by conducting QA testing, and implementing code-level fixes to ensure system stability and performance.
- Worked in a Scrum environment, using Git for version control and ensuring seamless collaboration across distributed teams.

## PROJECTS

### E-Commerce System for Local Artisan

*Laravel, HTML, JavaScript, TailwindCSS, PostgreSQL, Docker, Git*

- Developed a final year project to optimize business transactions between buyers and sellers which focus on handcraft industries.
- Equipped with 12 comprehensive CRUD modules, which include the platform features using ToyyibPay payment gateway.
- Deployed on a self-managed VPS using Linux, Nginx, and Docker, optimizing performance and security.

### Faculty Event Management System

*HTML, JavaScript, CSS, MySQL, Git*

- Led a team of 4 to develop a system that reduced paperwork by 80% through digital event planning and tracking.
- Managed Git version control and ensured smooth code integration across development cycles.

### Motor Performance Analytics System

*C++, HTML, CSS, JavaScript*

- Engineered a real-time motor performance monitoring system using ESP32 microcontroller and embedded web technologies for the 2022 UROCK Legged Robot Competition.
- Designed a responsive web interface to visualize key motor metrics including PWM frequency, PWM channel, RPM, current draw, voltage, and temperature, enabling efficient diagnostics and performance tuning.

### Pole Real-Time Detection with Single Shot Multibox Detector (SSD)

*Python, C++, Tensorflow, Keras, PyTorch*

- Trained a real-time machine learning model for pole detection using a custom dataset, designed for ABU Robocon Malaysia 2023.
- Integrated the model into a Raspberry Pi 3 and ESP32 and established serial communication for semi-automation of the robot.

## SKILLS

**Technical Knowledge:** HTML, CSS, TailwindCSS, JavaScript, TypeScript, React, NextJs, ExpressJs, NodeJs, PHP, Zustand, MySQL, PostgreSQL, Milvus, C++, C, Java, Python, Keras, Tensorflow, PyTorch, Docker, Nginx, Apache, Shell, Postman, Figma.