



# MUHAMMAD SYAHMI BIN ABD MANAF

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## SUMMARY

Final-year Bachelor of Information Technology student with hands-on experience in web development through a professional internship. Proficient in building full-stack web applications using HTML, CSS, JavaScript, PHP, Firebase, and MySQL. Skilled in developing responsive user interfaces, real-time dashboards, and interactive web functionalities that enhance system performance and user engagement. Passionate about creating scalable, user-centered digital solutions that adhere to modern web standards.

## SKILLS

**Programming Languages:** HTML, CSS, JavaScript, Java, PHP, C++, SQL

**Tools & Platforms:** Visual Studio Code, Android Studio, Firebase, MySQL, XAMPP, Figma, Canva, Wix, Oracle Database

**Soft Skills:** Time Management, Communication, Problem-Solving, Critical Thinking

**Languages:** Bahasa Melayu (Proficient), English (Intermediate)

## WORK EXPERIENCE

### Web Developer Intern - CRF Malaysia Sdn. Bhd

Sep 2025 – Dec 2025

- Developed e-Procurement and Manufacturing Execution System (MES) modules using HTML, CSS, JavaScript, and Firebase
- Built real-time data synchronization with Firestore Database for maintenance logs and issue tracking
- Designed responsive admin dashboards with Material Design to improve usability and operational efficiency

### Maintenance & Technical Intern - Promooi Plastic Industries Sdn. Bhd

Mar 2022 – July 2022

- Supported troubleshooting of automated production systems and maintained digital logs
- Applied diagnostic skills transferable to IT system monitoring and debugging

## PROJECTS

### e-Procurement System (CRF Malaysia)

*Web System: HTML, CSS, JavaScript, Firebase*

- Developed an internal purchase requisition and approval management system to streamline procurement processes.
- Designed item request forms, multi-level approval workflows and real-time status tracking for purchase requests.
- Integrated Firebase for secure, real-time data management and user authentication.

### Manufacturing Execution System (MES) – Production Line System

*Web System: HTML, CSS, JavaScript, Firebase*

- Developed inventory, Bill of Materials (BOM), work order, and production tracking modules
- Built interactive real-time dashboards for operational visibility

### PriceChecker Mobile & Web System

*Final Year Project: Android (Java), HTML, CSS, JavaScript, Firebase (Authentication, Firestore, Storage)*

- Built Android app (Android Studio) and web admin panel (Visual Studio Code) for price comparison
- Implemented barcode scanning, price trend charts (MPAndroidChart), and Firebase Authentication
- Integrated Firestore and Firebase Storage for secure data and image handling

ADDITIONAL PROJECTS

- **SmartTutor LMS** – Developed a web-based learning management system for course and assignment management using HTML, CSS, JavaScript, PHP, and MySQL
- **Smart Cooking Assistant** – Designed a Figma prototype for an ingredient-based recipe recommendation system

EDUCATION

**Bachelor of Information Technology (Hons.)**  
*Universiti Teknologi MARA (UiTM), Kelantan Branch*  
**Current CGPA: 3.3 | Last Semester GPA: 3.73**

Oct 2022 – Present

**Diploma in Polymer Technology**  
*Universiti Teknologi MARA (UiTM), Perlis Branch*  
**CGPA: 3.41**

Oct 2019 – July 2022

EXTRACURRICULAR ACTIVITIES

**Service-Learning Malaysia-University for Society (SULAM)**  
*Treasurer*

June 2025

- Managed project budgeting, fund allocation, and financial reporting for a community-focused tech-service initiative
- Ensured cost-effective resource planning and full compliance with university and sponsor requirements

**Young Innovation Challenge**  
*Facilitator & Mentor*

Dec 2023

- Guided primary school students in building Arduino-based projects and learning basic electronics
- Led hands-on workshops, provided technical support, and fostered creative problem-solving in STEM education

ACHIEVEMENTS & CERTIFICATIONS

- Dean's List Award – Semester 4, 5, 6
- Oracle Academy Certificate – Database Programming with SQL (January 2024)
- Library Information Literacy Skills Module – Online Database for Literature (November 2024)
- Foundation of User Experience (UX) Design – Google (November 2025)
- Silver Award – International Virtual Educational Design, Invention & Innovation Competition (iVEDIIC 2025) – PriceChecker App

REFERENCES

**Profesor Madya Ts. Dr. Noorihan Binti Abdul Rahman**  
Supervisor for Final Year Project (FYP)  
Faculty of Computer & Mathematical Sciences  
Universiti Teknologi MARA (UiTM)  
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