

# Muhammad Bin Mokhtar

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## PROFESSIONAL SUMMARY

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I am a full-time Computer Science student with strong multitasking abilities, actively seeking a six-month internship from March 10, 2025, to August 22, 2025. I am dedicated to continuous self-improvement and eager to expand my software engineering expertise through hands-on experience in software development.

## EDUCATION

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Universiti Malaysia Pahang Al-Sultan Abdullah, Pekan, Pahang

Sep 2021 - Current

*Bachelor of Computer Science (Software Engineering) with Honours*

Politeknik Ungku Omar, Ipoh, Perak

Sep 2017 - March 2020

*Diploma In Information Technology (Digital Technology), CGPA 3.4*

## PROFESSIONAL EXPERIENCE

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Sigma Rectrix Systems (M) Sdn Bhd, Cyberjaya

Dec 2019 – March 2020

*Internship Trainee*

- Assisted network engineers with the installation and configuration of hardware and software for network systems.
- Conducted routine maintenance on network equipment, including updating firmware and replacing parts as needed.
- Contributed to troubleshooting network connectivity issues, helping identify and resolve technical problems.
- Documented network configurations, maintenance activities, and issue resolutions to maintain accurate records for future references.
- Gained hands-on experience with network protocols, switches, and routers, enhancing technical proficiency.

## ACADEMIC PROJECTS

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### Final Year Project

- Vehicle Classification using YOLO **On-Going**
  - Developed and implemented vehicle classification system using the YOLO object detection algorithm to accurately identify and categorize vehicles (e.g., cars, trucks, motorcycles) from images and video streams. Optimized model performance through data pre-processing, training on labeled datasets, and integration with OpenCV for seamless video processing.
  - Technologies used: YOLOv11, Google Collab, OpenCV

### Software Engineering Practices Project

- MUIP KAFA management system **completed**
  - Developed a web-based application to streamline administrative tasks for KAFA institutions. Enabled features for managing student profiles, scheduling activities, recording academic performance, sharing announcements, and handling payments.
  - Technologies used: Laravel, Supabase, Stripe API

## CERTIFICATIONS

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- Microsoft Certified: Azure AI Fundamentals

## TECHNICAL SKILLS

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Dart, PHP, HTML, CSS Java, Kotlin, JavaScript, Python, Git, Laravel, Flutter, MySQL, Supabase, Firebase, Docker, Yolo, Postman, stripe API, selenium.