

MOHAMMAD AFFAIQ AINI

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Kota Samarahan, Sarawak



SUMMARY

Research Assistant with a background in Chemistry and a passion for IT. Successfully transitioned from Chemistry to IT and gained experience in data analysis, programming, and management. Adept in bringing forth expertise in design, installation, testing and maintenance of software systems. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

SKILLS

- **Programming Language(s):** Python, HTML, CSS, JavaScript, PHP, MySQL
- **Machine Learning:** OpenCV, Tensorflow, Pytorch
- **Cloud Computing:** AWS
- **Web Framework:** Laravel, Flask

CERTIFICATIONS

- AWS Cloud Practitioner Essential Certification
- DJI Academy: Aerial Photography Certificate

PROJECTS

- **IoT Monitoring System:** Developing a detection system for soft-shell crab and crayfish farming.
- **Webapp development:** A webpage for displaying the function of IoT system.
- **Laravel Web:** Fullstack web development and CRUD application side project. Using Laravel Framework, PHP, and MySQL

EDUCATION

MARA University of Technology

Diploma in Industrial Chemistry
2016 – 2019

MARA University of Technology

Bachelor's Degree (Hons.) Chemistry with Management
2019 – 2022

MARA University of Technology

Master (Msc) in Information Technology
2022 – Present

WORKING EXPERIENCE

Research Assistant

MARA University of Technology | 2022 – Present

- Specialize in IoT applications for object detection and image recognition in soft-shell crab and crayfish farming.
- Optimizing detection methods, creating image recognition models, collaborating with IoT technologies for seamless integration, and conducting data analysis.
- Discussing with the farm manager to provide needed assist for the project.
- Became an Exhibitor for IoT Monitoring System Project at WCiT 2023
- Became a Presenter for IoT Monitoring System Project at iCOBTA 2023

Unifi Installer and Maintenance (Part time)

Kompande Group | 2021 – 2022

- Developed crucial skills for meticulous fiber-optic network installation and maintenance
- Troubleshooting and diagnosing issues using testing equipment
- Interacting with clients whenever they need services
- Been outstation outside Kuching (Miri, Sibu, Lundu, Bau, Sematan) for technical maintenance.

REFERENCES

- Dr Lee Beng Yong (UiTM Sarawak):
0138119161, bylee@uitm.edu.my
- Faizal Ahmad (Kompande):
0172313140, faizalahmad300@gmail.com