MUHAMMAD AFIQ BIN ZAKARIA

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in Muhammad Afiq bin Zakaria   ○ muhammadafiqzakariaa

CAREER OBJECTIVE

A final year Computer Science student from Universiti Teknologi PETRONAS (UTP) with hands-on internship experience and a strong passion for technology. Eager to apply my skills in real-world projects through part-time or freelance opportunities while completing my studies. Highly motivated to contribute to innovative teams, continuously improve my technical abilities, and gain deeper insights into software engineering, data manager, and data analytics. Committed to delivering impactful work and learning from industry professionals to pave the way toward a successful tech career.

TECHNICAL SKILLS

Python — Intermediate │ **C++** — Intermediate │ **Java** — Intermediate │ **Visual Basic** — Intermediate │ **SQL** — Basic │ **Microsoft Excel** │ **Microsoft Power Bi** │ **Microsoft Power Automate**

EDUCATION

Bachelor of Computer Science (Hons)   2022 – present
Universiti Teknologi Petronas   Seri Iskandar, Malaysia
- TESP Scholarship holder
- **CGPA: 3.30**

Foundation in Computer Science   2021 – 2022
Universiti Teknologi Petronas   Seri Iskandar, Malaysia
- YT-TAZU Scholarship holder
- **CGPA: 3.20**

SPM   2016 – 2020
SM Sains Dungun   Dungun, Malaysia
- **SPM: 9A**

EXPERIENCE

Raja Nasi Ayam   2021
Waiter   Paka, Malaysia
- Experienced working in the industry and facing clients.

Cabai Station   2022
Chef   Seri Iskandar, Malaysia
- Develop skills and confident in the industry.

PETRONAS Carigali (PMA)   05/2024 – 12/2024
Intern   Kerteh, Malaysia
- Supported the Industrial Hygiene team by managing compliance tracking for regulatory training and certifications across multiple locations.
- Designed and developed an interactive **Power BI dashboard** to monitor the status and validity of training records, with KPI integration to track overdue items.
- Automated manual data processes using **Power Automate**, improving efficiency and reducing tracking errors.

PROJECTS

COSafer: Technopreneurship Team Project   2025
CFO
- Led the financial planning and budgeting for COSafer, a smart Carbon Monoxide (CO) detection device integrated with a mobile application to car safety.
- Invented and developed a working prototype of the CO detector using Arduino, integrated with sensors and real-time mobile app alerts via Bluetooth/Wi-Fi.
- Conducted cost analysis and created a detailed pricing model to ensure financial feasibility and market competitiveness.
- Designed a multi-year financial forecast, covering production costs, projected revenue, and break-even analysis.

MPU4: Collaborating with FPT University, Vietnam   01/2024
Secretary
- Conducting STEM activities with 30 FPT high school students.
- Experienced in interacting and communicating with international partners of UTP.

STEM project and food distribution   2023
HOD Logistics and Technical
- Organizing department team in solving tasks.
- Provide STEM activities to 71 SK Seri Serdang students.

EXTRA-CURRICULARS

UTP Basketball Team   2022 – present
Player
- Participated in many tournaments inside and outside the university.
- UTP Super Sport 2023 (Champion), Non-Chinese Basketball Open 2023 (1st Runner Up), SportTech 2022 (Champion).

ACHIEVEMENTS

Dean List Award   2023
January Semester

OH MY CODE Programming Competition   2022
Gold Award
- Designing GUI and implementing code in the competition.

SKILLS

Computer Literacy ● ● ● ● ○   **Soft Skills**
Microsoft Word, Microsoft Excel, Microsoft PowerPoint, CanvaPro, Microsoft Office 365, MATLAB

Communication, Teamwork, Problem Solving, Leadership, Critical Thinking

LANGUAGES

Malay: Bilingual Proficiency │ English: Intermediate Proficiency

REFERENCES

Ts Dr Mohd Hilmi bin Hasan, *Chair,* Department of Computer & Information Sciences
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