

MUHAMMAD AFIQ BIN ZAKARIA

Bachelor of Computer Science (Hons)

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21st August 2025

Dear Hiring Manager,

I am writing to express my interest in a full-time position within your organization, beginning January 2026, in the fields of data analytics, software engineering, data management or any related fields. As a final-year Computer Science student at Universiti Teknologi PETRONAS majoring in Data Analytics, I am eager to apply my technical skills, problem-solving abilities, and hands-on project experience to contribute meaningfully to your team.

During my internship at PETRONAS Carigali (PMA), I developed and deployed an interactive Power BI dashboard that streamlined compliance tracking across multiple sites. By automating data processes with Power Automate, I significantly reduced manual errors and improved efficiency, an experience that sharpened both my technical expertise and my ability to deliver practical, business-driven solutions.

Beyond professional experience, I have pursued impactful projects that reflect my passion for innovation. My Final Year Project, Easy Parcel, involves designing an IoT-based smart parcel locker system with mobile integration, enhancing convenience and security for university residential villages. Additionally, as the CFO of COSafer, a technopreneurship project, I not only co-developed a working CO detection prototype but also led the financial planning and market feasibility analysis, balancing technical development with real-world viability.

I am equally passionate about teamwork and leadership. Through STEM outreach initiatives and representing UTP in basketball, I have built commitment, teamwork, and resilience, which I consider equally important as technical skills.

I am excited by the prospect of contributing to your organization and believe my blend of technical proficiency, analytical mindset, and leadership experience makes me a strong fit. I would greatly welcome the opportunity to discuss how my skills and experiences can support your team's goals.

Thank you for your time and consideration. I look forward to the possibility of an interview.

Sincerely,



Muhammad Afiq bin Zakaria



MUHAMMAD AFIQ BIN ZAKARIA

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CAREER OBJECTIVE

A final-year Computer Science student majoring in Data Analytics at Universiti Teknologi PETRONAS (UTP), graduating in December 2025. **Seeking full-time employment starting January 2026** in data analytics, software engineering, data management, or other related fields. Highly motivated to contribute to innovative teams, enhance my technical expertise, and deliver impactful solutions while continuing to grow as a professional in the industry.

TECHNICAL SKILLS

Python Intermediate	C++ Intermediate	Java Intermediate	SQL Basic
Microsoft Excel Advance	Microsoft Power Bi Intermediate	Android Studio Intermediate	Flutter Intermediate

EDUCATION

Bachelor of Computer Science (Hons) Universiti Teknologi PETRONAS	2022 – present Seri Iskandar, Malaysia
• TESP Scholarship holder • Dean List award in January 2023 semester • CGPA: 3.33	

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

EXPERIENCE

PETRONAS Carigali (PMA) Intern	May 2024 – Dec 2024 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 AND ACHIEVEMENTS

Final Year Project Easy Parcel: IoT-Based Parcel Storage System for University Villages	May 2025 – Present
• Developed a decentralized smart parcel locker system for university residential villages to reduce reliance on the central ParcelHub. • Integrated the system with a mobile application to enable: <ul style="list-style-type: none">• OTP-based secure access• Barcode scanning for authentication• Delivery and collection timestamp tracking	

- User identification and verification
- Visual log recording for security

COSafer: Technopreneurship Team Project

Jan 2025 – Apr 2025

Position: Chief Financial Officer (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.

MPU4: Collaborating with FPT University, Vietnam

Jan 2024

Position: Secretary

- Conducted STEM activities with **30 FPT high school students**.
- Taught the concept of IoT using Arduino Uno R3 to participants.
- Gained experience in interacting and communicating with international partners of UTP.

STEM project and food distribution

May 2023 – Jul 2023

Position: HOD Logistics and Technical

- Organizing department team in solving tasks.
- Provide STEM activities to 71 SK Seri Serdang students.

OH MY CODE Programming Competition

May 2022 – Aug 2022

• Created a travel app using Visual Basic.

• Designed the GUI and implemented backend functionality with Python.

• Presented to internal and external examiners, earning a **Gold Award**.

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**).

SKILLS

Computer Literacy

Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Power Automate, CanvaPro, Microsoft Office 365, MATLAB

Soft Skills

Communication, Teamwork, Problem Solving, Leadership, Critical Thinking

LANGUAGES

Malay: Bilingual Proficiency

English: Intermediate Proficiency

REFERENCES

Associate Prof Toni Anwar, Academic Advisor, Department of Computer & Information Science
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En. Mohd Kamal bin Abu Bakar, Manager (IHOH), PETRONAS Carigali (PMA) Sdn. Bhd.
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