

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 <ul style="list-style-type: none">• TESP Scholarship holder• Dean List award in January 2023 semester• CGPA: 3.33	2022 – present Seri Iskandar, Malaysia
Foundation in Computer Science Universiti Teknologi PETRONAS <ul style="list-style-type: none">• YT-TAZU Scholarship holder• CGPA: 3.20	2021 – 2022 Seri Iskandar, Malaysia

EXPERIENCE

PETRONAS Carigali (PMA) Intern <ul style="list-style-type: none">• 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.	May 2024 – Dec 2024 Kerteh, Malaysia
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PROJECTS AND ACHIEVEMENTS

Final Year Project Easy Parcel: IoT-Based Parcel Storage System for University Villages <ul style="list-style-type: none">• 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	May 2025 – Present
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- 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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