

# AHMAD ADLAN BIN ABDUL HALIM



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## SUMMARY

Seeking a Business Intelligence or Data Analyst Internship for 6 months, starting in March 2026. Skilled in leveraging SQL, Python, Power BI, and Tableau to transform complex data sets into clear, actionable business insights. Proven hands-on experience includes developing a full-stack IoT analytics system and conducting a published research project. Highly motivated and a fast learner, ready to apply critical thinking and technical proficiency to support informed decision-making.

## EDUCATION

<b>Bachelor of Information Technology (Hons.)</b> <i>International Islamic University Malaysia, Gombak</i> CGPA: 3.71	<b>Oct 2022-Present</b>
<b>Foundation of Engineering and Computer Sciences</b> <i>Centre of Foundation Studies, IIUM, Gambang</i> CGPA: 3.51	<b>Oct 2021-Jun 2022</b>

## WORK EXPERIENCE

<b>Waiter</b> <i>D'Laman Nakhoda Busu, Sungai Petani</i>	<b>Jul 2023-Oct 2023</b>
<ul style="list-style-type: none"><li>• Served customers with accuracy and care, consistently maintaining high service satisfaction.</li><li>• Collaborate effectively under pressure in a busy, team-oriented setting.</li></ul>	

## ACADEMIC PROJECTS

### Final Year Project

*Title: Face Recognition Attendance System Web Application*

- Designed a real-time face recognition attendance system using Raspberry Pi and Python to streamline attendance tracking processes.
- Built a Flask-based backend API and automated attendance data recording with cloud synced storage via Supabase that reduced manual attendance entry time by 80%.
- Developed an interactive React.js dashboard to visualize key attendance trends, student course management, and implemented a function for automated warning letter dispatch based on attendance data.

### Information Visualization Project

*Title: Crime Data Analytics Dashboard (Malaysia 2021-2023) – Data sourced from DOSM*

- Developed a comprehensive BI dashboard using Tableau to analyze crime trends across Malaysia.
- Identified Selangor as the highest crime hotspot with over 160,000 total cases, and reveals Property Crimes outweigh Assault Crimes.
- Performed geospatial and temporal analysis to pinpoint high-intensity districts, specifically identifying Gombak, Kajang, and Petaling Jaya as areas that require enhanced law enforcement presence.
- Proposed five Strategic Initiatives including data-driven policy making and infrastructure upgrades based on identified correlations between regional density and crime volume.

## EXTRACURRICULAR ACTIVITIES

### Global Community Outreach Programme (Bandung, Indonesia) – Special Task Sub-Committee

- Manages ad hoc and critical tasks for the programme, demonstrating adaptability to ensure seamless event execution.
- Provided essential cross-functional support to other sub-committees, proactively assisting with logistics, volunteer task assignments, and on-site operational gaps.

## **Tinkercad Design Mastery Workshop (2025) – Program Manager & Lead Instructor**

- Managed end-to-end program delivery for a 30-person workshop, overseeing structure, program flow, logistics, and resource allocation resulting in a 100% completion rate for attendees.

## **ACHIEVEMENT**

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- Commissioned as Inspector Kor Sukarelawan Polis Siswa Siswi (SUKSIS).
- Certificate of Appreciation as Author at International Conference on Robotics, Vision, Signal Processing and Power Applications (RoViSP) 2025.
- Top 16 ICECTF: Chapter 0.
- Silver Medal Award at International Final Year Project Competition & Exhibition (I-CPEX), UniKL 2023.
- Dean's List semester 2,3,4,5, and 6.

## **SKILLS**

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- **Interpersonal:** Analytical Thinking, Adaptability, Effective Communication, Time & Task Management, Self Learning & Continuous Improvement
- **Data & BI:** Power BI, Tableau, Microsoft Excel, Python, Pandas, SQL
- **Development & Tools:** React.js, HTML, CSS, Javascript, Flask, Git/Github, Supabase, Linux

## **CERTIFICATION**

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- CompTIA Data+
- Kaggle: Intro to Machine Learning, Pandas
- RunCloud Fundamentals of Cloud Computing

## **ADDITIONAL INFORMATION**

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- **Language:** Bahasa Melayu, English
- **Publication:** Abdul Halim, A. A., et al. (2025). Addressing IoT Security Challenges through Advanced Machine Learning and Encryption. *Journal of Informatics and Web Engineering*, 4(3), 153-165. <https://doi.org/10.33093/jiwe.2025.4.3.9>

## **REFERENCES**

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### **TS. DR. AHMAD ANWAR ZAINUDDIN**

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### **TS. DR. MOHD. IZZUDDIN BIN MOHD TAMRIN**

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