



## MUHAMMAD AKRAM ZAKI BIN AMRAN

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### SUMMARY

Dedicated Computer Science student specializing in **Information Security and Assurance** with comprehensive expertise in Software Engineering and Networking. **CompTIA Tech+ certified professional** and **MARA Scholarship recipient (2022-present)** with proven experience in implementing robust security measures and enhancing organizational cybersecurity posture. **Active cybersecurity awareness advocate** and **public speaker** who regularly participates in **Capture the Flag (CTF) competitions**, demonstrating **advanced problem-solving skills under pressure**. Proficient in **threat assessment, vulnerability management, secure coding practices, and network security administration**. Seeking employment opportunities to apply technical expertise and drive meaningful security initiatives in forward-thinking organizations. **Available to commence work at the end of September 2025**.

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### EDUCATION

**Universiti Sains Islam Malaysia (USIM), Nilai** (2021 – Present)  
Bachelor of Computer Science (Hons.) in Information Security and Assurance

**Universiti Sains Islam Malaysia (USIM), Nilai** (2020 – 2021)  
Foundation in Science and Technology

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### LEADERSHIP EXPERIENCE

- Designed the task for the competition AturKreatif'25 Capture the Flag (CTF) under ISAC. (2025)
  - Bureau of Publicity and multimedia, USIM Debate Club 21/22, 22/23 and 23/24 session. (2021 – 2024)
  - Deputy Director, Global Islamic Student Outreach (GISO): Discovering the Insights of Culture Tadabbur Alam di Bumi Vietnam. (2024)
  - Leader of Publicity and multimedia, Global Islamic Student Outreach (GISO): Mencari Ibrah di Selatan Thailand. (2024)
  - Leader of Safety Unit, Global Islamic Student Outreach (GISO): Ilm and Ihsan in Formosa: Empowering Knowledge and Excellence, Taiwan. (2024)
    - Speaker in sharing sessions with students from Asia Eastern University of Science and Technology, Taiwan.
  - Mentor & Judge, HackINSAN, Universiti Sains Islam Malaysia (USIM). (2024)
  - Second Vice President, Student Secretariat of The Faculty of Science and Technology, SekreFaST 22/23 session, (USIM). (2022 – 2023)
    - Deputy Director, Faculty of Science and Technology (MAFaST) Awards Ceremony. (2022)
    - Director, Crew & Friends Appreciation Ceremony. (2022)
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## ACHIEVEMENT

- **Second runner-up** in UTAR Intervarsity Capture the Flag (CTF). (2024)
  - **Champion** in Microsoft AI for Accessibility Hackathon under **Microsoft**. (2024)
  - **Champion** in Capture the Flag (CTF) under AturKreatif'24 USIM (2024)
  - Received the **Dean's List Award** for the 6<sup>th</sup> semester. (2024)
  - **Finalist** in Capture the Flag Inter– Universities'23 under Petronas. (2023)
  - Awarded as **Top 4** in Curtin University Capture the Flag (CTF) (2023)
  - Awarded as **Top 4** in iTREXC Capture the Flag (CTF) Universiti Islam Selangor. (2023)
  - **Silver Award**, Mechasonic Iris Project, Malaysia Invention and Innovation Expo (2023)
  - **Silver Award**, Virtual Reality Gamification, Muamalat Interactive Game, Digital Innovation Creative Entrepreneurship (DICE'23). (2023)
  - **Gold Award**, Mechasonic Iris Project, ASEAN Innovative Science Environmental and Entrepreneur Fair. (2023)
  - Participated in 'UMHack' Hackathon Competition and created a website Artificial Intelligence (AI) based. (2023)
  - **Second runner-up** in Capture the Flag (CTF) AturKreatif Universiti Sains Islam Malaysia. (2022)
  - Received the **Dean's List Award** for the 2<sup>nd</sup> semester. (2022)
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## WORKING EXPERIENCES

### 1. Willowglen Malaysia Sdn Bhd

(Feb 2025 – Present)

#### Project Software & Solution Trainee

- Designed and implemented automated systems to streamline operational workflows, reducing manual workload and improving organizational efficiency.
  - Conducted vulnerability assessments and provided strategic remediation recommendations with detailed risk analysis and business impact justifications.
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## SKILLS

- **Software:**
  - Microsoft Office (Word, PowerPoint, Excel) – **Advanced**
  - Code Editor and Web Dev (VS Code, Eclipse IDE, Github, Xampp) - **Intermediate**
  - Programming Language (HTML, PHP, JAVA, C, C++, C#, Python, MySQL) – **Intermediate**
  - Operating System (Kali Linux, Parrot OS, Windows, Ubuntu) - **Intermediate**
  - Security tools (Ghidra, JDAX, Nmap, Burpsuite, Wireshark, Metasploit) - **Intermediate**
- **Soft skills:**
  - **Communication & Presentation Skills.**
    - Public speaking
    - Cross-cultural communication
    - Technical communication
  - **Leadership & Management.**
    - Team leadership
    - Project management
    - Mentorship
  - **Problem-Solving & Analytical Thinking.**
    - Critical thinking
    - Strategic planning
    - Creative problem-solving
  - **Collaboration & Teamwork**
    - Cross-functional collaboration
    - International cooperation
    - Peer collaboration
  - **Adaptability & Learning**
    - Continuous learning

- Technology adaptation
  - Cultural adaptability
  - **Organization & Time Management**
    - Event planning and execution
    - Academic excellence while maintaining extracurricular activities
    - Balancing multiple leadership roles simultaneously
  - **Initiative & Drive**
    - Self-motivation
    - Innovation
    - Professional development
- **Languages: Malay (Native), English (Full Professional Proficiency) and Arabic (Limited Working Proficiency).**

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## **REFERENCES**

**Prof Madya Dr. Sakinah binti Ali Pitchay**  
Professor Madya Lecturer DS54  
Faculty of Science and Technology (FST)  
Universiti Sains Islam Malaysia (USIM)  
[sakinah.ali@usim.edu.my](mailto:sakinah.ali@usim.edu.my)

**Norjannah Hazali**  
Senior Software Quality Assurance  
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