



MUHAMMAD IZHAM BIN HARIS

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OBJECTIVE

I am a motivated and detail-oriented Computer Science student seeking a Network Engineer position to apply hands-on experience in network performance testing, cybersecurity, and infrastructure setup. Eager to contribute technical skills in configuring, monitoring, and optimizing network systems while continuing to grow professionally in a dynamic IT environment.

EDUCATIONAL BACKGROUND

University of Science Malaysia 2022 - current

Bachelor of Computer Science with Honours

- Major in Computing Infrastructure

Kolej MARA Kulim 2021 - 2022

Matriculation (Science)

- CGPA: 3.98

EXPERIENCED

SOC Analyst Intern | Full Stack Developer | Digital Forensics Support 2025
BitRanger - Internship

- Monitored, analyzed, and responded to real-time security events using SIEM tools in a Security Operations Center (SOC) environment.
- Investigated cybersecurity incidents, assisted in threat hunting, and prepared digital forensic evidence reports.
- Developed and maintained internal web tools and dashboards as a full stack developer using technologies such as HTML, CSS, JavaScript, and Python.
- Collaborated with the cybersecurity team to perform vulnerability assessments and improve detection logic.
- Participated in red-teaming exercises and learned advanced techniques in malware analysis and log correlation.

PROJECT

Stress Test Environment for Raspberry Pi & Network Performance (Intership) 2025

University of Science Malaysia

- Designed and implemented a complete stress test environment using Raspberry Pi 4B, focusing on evaluating CPU, RAM, storage, and network performance.
- Developed a web-based dashboard for real-time monitoring using HTML, CSS, JavaScript, and Python.
- Integrated iperf3 for bandwidth and latency testing, and visualized results using charts and logs.
- Created automated test reports with summaries (e.g., peak CPU usage, highest temperature, pass/fail status).
- Enabled result export and historical comparison to analyze performance trends.
- Coordinated communication between host (Windows), switch (TP-Link Omada), and client Raspberry Pis over segmented networks.

Arp Spoofing Tool <i>University of Science Malaysia</i> <ul style="list-style-type: none"> Develop cyber security tool to strengthen the network Showed how the spoofing happened Tested the tools for educational purposes 	2024
Fund Investment Database Management System <i>University of Science Malaysia</i> <ul style="list-style-type: none"> Designed a web based application on Oracle APEX environment. Planned and implemented database schemas aligned with application requirements, ensuring data consistency and integrity Designed and managed relational database schemas, ensuring high data integrity and normalization for optimal storage. 	2024
MediMinder, A Medication Reminder for Elderly <i>University of Science Malaysia</i> <ul style="list-style-type: none"> Designed a user-friendly mobile app in Figma, focused on assisting the elderly with medication reminders and tracking. Created intuitive, accessible UI components with large, clear buttons and readable fonts tailored for elderly users. Conducted user testing sessions to gather insights, refining the app's design based on user feedback for improved usability. 	2023

ACTIVITIES

Head of the Transportation Department - Penang Hill Expedition <i>Kelab Rekreasi PALAPES Darat USM</i> <ul style="list-style-type: none"> Coordinated the movement of vehicles and personnel, ensuring seamless operations for events and daily activities. Managed vehicle allocation and parking logistics, minimizing congestion and ensuring participant satisfaction. 	2024
Head of Department - External Relation - Golden Talk <i>Kelab Rekreasi PALAPES Darat USM</i> <ul style="list-style-type: none"> Acted as the primary contact point between the organization and external entities. Negotiated agreements with the panel Developed strategies to enhance the organization's network and influence. 	2023
Head of Department - Technical And Physical - USM Camo Run 1.0 <i>Kelab Rekreasi PALAPES Darat USM</i> <ul style="list-style-type: none"> Oversaw the technical and physical arrangements for an event with 300 participants, ensuring seamless execution. Conducted comprehensive safety audits, ensuring the event met all compliance requirements and minimized risks for 300 participants. Implemented contingency measures that ensured uninterrupted participant flow despite unexpected challenges. 	2023
Head of Registration - PALAPES MLBB LEAGUE <i>Kelab Rekreasi PALAPES Darat USM</i> <ul style="list-style-type: none"> Maintained accurate and secure records of all registrations and associated data. Enforced policies and guidelines related to registration. Generated detailed reports for events with 60+ participants, offering insights for better planning.. 	2023

EXTRACURRICULAR INVOLVEMENT

Reserve Officers Training Unit ARMY Rank holder	2022 - 2025
Kelab Rekreasi PALAPES Darat USM <ul style="list-style-type: none">• President (2024 - 2025)• Deputy Secretary (2023 - 2024)• Head of Virtue and Spirituality Department (2022 - 2023)	2022 - 2025

PROGRAMMING SKILLS

C++ - Intermediate	MYSQL - Intermediate
PYTHON - Intermediate	ASSEMBLY - Intermediate
JAVA - Intermediate	LINUX - Intermediate

GENERAL SKILLS

Event Management - Intermediate
Embedded System - Intermediate
Penetration Testing - Beginner
Leadership - Intermediate

CERTIFICATIONS

Google Cybersecurity Specialization – Google via Coursera <ul style="list-style-type: none">• Covered: Cybersecurity foundations, risk management, network security, Linux & SQL tools, threat detection, Python automation, and job preparation• Credential Link	(Completed April 2025)
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