

MUHAMMAD NAZMI BIN MOHD SAIFULIZAM

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Github: [mnzmii](#) | E-portfolio: [mnzmii.github.io](#)

SUMMARY

Motivated Computer Science (Network & Security) student at UTM seeking a 20-week **Network Engineering or Cybersecurity Internship** from **September 2026 - February 2027**. Grounded in the Cisco CCNA curriculum with a strong foundation in network architecture and enterprise security. Combines infrastructure expertise with a strong interest in building secure full-stack web applications. Passionate about continuous learning and teamwork, eager to ensure a comprehensive defense against network and web-based threats within a professional IT environment.

EDUCATION

Universiti Teknologi Malaysia Skudai Oct 2023 - Present

Bachelor of Computer Science (Computer Network & Security) with Honours | CGPA: 3.97

Universiti Teknologi MARA Kampus Dengkil Aug 2022 - Jun 2023

Foundation in Engineering | CGPA: 3.93 | MUET: Band 4

SMK Bandar Maharani, Muar, Johor 2017 - 2022

Sijil Pelajaran Malaysia | 8A 2B

ACADEMIC PROJECTS

Post-Quantum Hybrid PRBG Design (Final Year Project) | *C, SHAKE256, Chaotic Maps, PQC (Ongoing)*

- Designing a hybrid Pseudo-Random Bit Generator (PRBG) that combines Chaotic Maps for high entropy with SHAKE256 to ensure cryptographic resilience against quantum computing threats.
- Implementing and evaluating the algorithm on a microcontroller, optimizing for high-speed performance and randomness within resource-constrained hardware environments.

Advanced Network Configuration Labs | *Cisco Packet Tracer, Cisco IOS CLI*

- Configured and troubleshoot secure basic device settings (SSH), advanced switching (VLANs, STP, EtherChannel), and enterprise routing (OSPF).
- Implemented core network services (DHCP, NAT, WLANs) and high-availability protocols (HSRP), alongside Access Control Lists (ACLs) for secure traffic filtering.

Network Design for Faculty of Computing (Block N28B) | *Cisco CCNA, Subnetting, Draw.io*

- Designed a scalable network infrastructure for a 2-storey university building, utilizing Variable Length Subnet Masking (VLSM) to deploy a highly efficient 8-subnet IPv4 scheme.
- Executed enterprise-grade hardware and media selection, incorporating firewall security protocols designed to mitigate DDoS threats and accommodate 15% future user growth.

Eventra: Secure Event Management System | *Laravel, React, PostgreSQL, PHP*

- Developed a secure full-stack application to automate volunteer registration and management workflows, ensuring seamless communication between the React frontend and PostgreSQL database.
- Integrated robust application security measures, including Two-Factor Authentication (2FA), secure password hashing, and multi-role access control to protect sensitive user data.

EXTRACURRICULAR ACTIVITIES

picoCTF 2026 | *Participant* Feb 2026

- Participated in the global competition, solving challenges in Web Exploitation, Cryptography, Reverse Engineering, and Forensics while documenting findings in a technical writeup portfolio.

UTM Games 2025 | *E-Sports Competitor (PUBG) & Hostel Representative* Nov 2025

- Achieved first place while representing the hostel, demonstrating strong strategic planning, quick decision-making, and high-level team communication under pressure.

Persatuan Silat Seni Gayung UTM (PSSGUTM) | *Committee Member (AJK)* Dec 2024

- Managed event logistics, attendee registration, and official protocols to ensure the seamless execution of a large-scale award ceremony (6th Johor Prosilat Award).

SKILLS

- **Networking & Infrastructure:** IPv4/IPv6, VLSM, Routing (OSPF), Advanced Switching (VLANs, STP, EtherChannel), WLAN, DHCP, NAT, HSRP.
- **Cybersecurity:** Linux, Wireshark, Burp Suite, Access Control Lists (ACLs), Port Security, DDoS Mitigation, Applied Cryptography, Web Exploitation (SQLi, XSS), 2FA, Secure Hashing.
- **Programming & Development:** Python, C, C++, JavaScript, PHP, Laravel, React, PostgreSQL.
- **Tools & Platforms:** Git, GitHub, Cisco Packet Tracer, Cisco IOS CLI, Draw.io, Microsoft Office Suite.

WORK EXPERIENCE

Miamor Coffee House, Muar | *Part-time Barista*

July 2025 - October 2025

- Delivered high-quality customer service and managed point-of-sale transactions in a fast-paced environment, maintaining strict accuracy and resolving issues during peak hours.

ADDITIONAL INFORMATION

- **Languages:** Malay (Native), English (Advanced), Bahasa Indonesia (Advanced)
- **Certifications:** Cisco Networking Academy (ITN, SRWE, ENSA).

REFERENCES

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