

NURUL AINA FIRZANAH BINTI ROSNAN

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Final Year of Netcentric computing student who passionate about building secure and dynamic systems. Possesses a **strong foundation in web application development, networking, and security**. Known for strong leadership and teamwork abilities with excellent in communication and problem-solving skills. Currently seeking an **internship placement starting March 2026** with interests in **Full Stack Web Development** or **Cybersecurity-related roles**.

EDUCATION

University Technology MARA (UiTM)	Shah Alam, Selangor
Bachelor of Computer Science (Hons.) Netcentric Computing	2023 - Present
● CGPA: 3.53	
● Among subjects taken: Dynamic Web Application Development, Web Application Security, Web Engineering , Back-end Development, Database Design and Development, Object Oriented.	

University Technology MARA (UiTM)	Tapah, Perak
Diploma in Applied Science	2021 - 2023
● CGPA: 3.63	
● Among subjects taken: Computer and Information Processing	

PROJECT EXPERIENCE

Final Year Project: An Adaptive E-Learning Web Application	March 2025 - Present
Technologies: React, Node.js, Express.js, PostgreSQL, PHP, OpenAI, Scoring Heuristic	
● Designed an adaptive e-learning platform for KAFA subjects called MyKAFA , aimed at students aged 7–12 years old to improve exam performance and engagement.	
● Developed 12+ interactive pages with dashboards for Student, Guardian, and Admin, integrating OpenAI for personalized quizzes, a scoring heuristic for adaptive learning content, and gamified elements for learning engagement.	

Project: Medical Specialist Appointment System	March 2025 - August 2025
Technologies: Html, CSS, Java, JavaScript Laravel, flutter, MySQL	
● Designed a medical specialist appointment system called MediBook with web and mobile interfaces for patients and hospital staff to manage bookings, schedules, and records securely.	
● Developed backend of the system including authentication, role-based access control (RBAC), scheduling logic, RESTful APIs, and MySQL database structures while implementing the main landing page for the medical appointment booking system.	

Prototype: Food Delivery Web Application for MASMED UiTM	October 2024 - February 2025
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Technologies: Figma

- Designed and developed TapauLicious for UiTM students to buy and sell food, featuring multi-role functionality (student buyers, student sellers, admin) with secure seller verification, admin controls, and real-time order tracking.

ACTIVITIES AND INVOLVEMENT

Vice President, International Program AI Ethic Awareness Kit Exhibition	2025 - Present
Vice President 1, UiTM CyberHeroes Club (UCC)	2023 - 2025
Secretary, UiTM Rakan Siswa Yadim (RSY)	2021 - 2023
Participant, National Micro Enterprise Pitching Competition	September 2025
Program Bureau, Malaysia Data Innovation Talent x Department of Statistics Malaysia Datathon	2023
Volunteer, Hospital Mesra Ibadah Program	Jun 2022
Volunteer, Elderly Care Home Selangor	2019

Participated in multiple Capture The Flag (CTF) Competition

GirlCTF 2025, UMCTF 2025, BBCTF 2025, Cydes Cyber Siege 2025, WarGames 2024, GirlCTF 2023, IHACK 2023

ACHIEVEMENTS

- Best Innovation Award, Digital Leap Innovation Pitching Asean 5GOT & IoT Security Summit **July 2025**
- Gold Medal Award, International Student Innovation Development Exhibition(I-SIIDEC) **August 2024**
- 8th placed in GirlCTF Competition **September 2025**
- 13rd placed in GirlCTF Competition **October 2023**

SKILLS

Programming Languages	C++ (Excellent), Java (intermediate), Python (intermediate), JavaScript (Excellent), PHP (Excellent), SQL (Excellent), HTML (Excellent), CSS (Excellent)
Web Development	React.js, Node.js, Express.js, Laravel, Bootstrap, Tailwind CSS
Database Management	MySQL, Firebase, PostgreSQL, phpMyAdmin, XAMPP
CyberSecurity Tools	Wireshark, Nmap, Ghidra, sqlmap
Tools & Platforms	Git & GitHub, Visual Studio Code, Postman, Figma, VMware
Operating system	Window, Kali (Ubuntu, Kali Linux)
Soft Skill	Demonstrated leadership, teamwork, effective communication, continuous learning mindset
Language Proficiency	Bahasa Malaysia (Excellent), English (Intermediate), German (Basic)

REFERENCES

Ts. Erny Arniza Ahmad Final Year Project Supervisor (Office) 03-5521 1142	Dr Norzilah Musa Industrial Training Coordinators (Office) 03-5521 1150
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