

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, fluster, 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

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

GirICTF 2025, UMCTF 2025, BBCTF 2025, Cydes Cyber Sieege 2025, WarGames 2024, GirICTF 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 GirICTF Competition **September 2025**
- 13rd placed in GirICTF Competition **October2023**

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
CybersSecurity 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, continous learning mindset
Language Proficiency	Bahasa Malaysia (Excellent), English (Intermediate), German (Basic)

REFERENCES

Ts. Erny Arniza Ahmad	Dr Norzilah Musa
Final Year Project Supervisor	Industrial Training Coordinators
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