



# MOHAMAD NORFADZLY AFZAN BIN KAMARUDIN

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## ABOUT ME

A motivated final-year Computer Science student with hands-on experience in website, mobile, and game development. I am actively seeking full-time opportunities as a Full Stack, Backend, or Frontend Developer after my internship, which concludes in August 2025. With a strong foundation in programming and a passion for creating high-quality applications, I have worked with technologies like Django, Angular, MariaDB, Docker, and Proxmox. I thrive in collaborative environments, enjoy problem-solving, and am always eager to learn new frameworks and technologies to stay up-to-date with industry trends. I look forward to applying my expertise, enthusiasm, and desire to learn in contributing to impactful projects while continuing to grow professionally in the software development field.

## EDUCATION

<b>Universiti Sains Islam Malaysia (USIM)</b>	<b>Aug 2021 - Present</b>
<ul style="list-style-type: none"><li>Bachelor of Computer Science with Honours (Information Security Assurance)</li><li>Current CGPA: 3.35</li><li>Final Year Project: SecVision : VR for Cybersecurity Awareness</li></ul>	
<b>Tamhidi Universiti Sains Islam Malaysia (USIM)</b>	<b>Aug 2020 - Mar 2021</b>
<ul style="list-style-type: none"><li>Sains dan Teknologi</li><li>CGPA: 3.62</li><li>MUET: Band 3</li></ul>	

## INTERSHIP EXPERIENCE

<b>TM Research and Development</b>	<b>Feb 2025 - Present</b>
<b>Software Engineering</b> <ul style="list-style-type: none"><li>Debugged errors across the Orca platform to ensure smooth operation and improve functionality.</li><li>Utilized 2 VMs on Proxmox for backend and frontend servers, enabling seamless interaction and integration between both environments.</li><li>Redesigned the UI/UX and applied changes to improve user experience, focusing on accessibility and functionality.</li><li>Connected the frontend and backend across separate VMs, ensuring seamless data flow and communication between them.</li><li>Gained hands-on experience with Docker, working on containerization to optimize deployment processes and enhance platform scalability.</li><li>Learned about DNS mapping for URLs, configuring efficient domain routing for the application.</li><li>Migrated the database from SQLite3 to MariaDB, ensuring better scalability, performance, and data management.</li></ul>	
<b>Quality Engineer</b> <ul style="list-style-type: none"><li>Gained experience in unit quality engineering, focusing on maintaining and improving the quality of the Orca platform.</li><li>Performed automation testing to ensure the platform's functionality and performance under various conditions.</li><li>Conducted performance testing to assess system scalability and resource utilization.</li><li>Participated in manual testing to verify user-facing features and ensure the system met business requirements.</li><li>Contributed to improving the testing workflow, enhancing overall testing efficiency and coverage.</li></ul>	

## PROGRAMMING SKILL

<ul style="list-style-type: none"><li><b>Website:</b> PHP, JSP, Java, HTML, CSS, Javascript, Python, Typescript</li><li><b>Game Development:</b> C# (Unity)</li></ul>	<ul style="list-style-type: none"><li><b>Mobile Development:</b> Java (Android Studio)</li><li><b>Tools:</b> Java EE, Eclipse, MySQL Workbench, XAMPP, Unity, Android Studio, Angular, Django, DBEaver, MariaDB, DRF, Docker, Linux (Proxmox, VMs)</li></ul>
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## CERTIFICATE

- 2024:** Professional Android Application Development
- 2025:** CompTIA Cloud+ (in progress)

## WORKING EXPERIENCE

Oct 2023 – Jan 2025

### Freelance.com

#### Freelance 3D Modeler and Animator

- Created detailed 3D models, realistic renderings, and animations for various clients, enhancing visual storytelling and meeting custom project specifications.
- Delivered high-quality 3D assets for use in promotional content, digital media, and client presentations, showcasing strong technical skills in modeling software and rendering engines.

#### Freelance Website Builder

- Developed responsive, user-friendly websites with a focus on clean, efficient code and appealing UI design for a seamless user experience.
- Collaborated with clients to design and implement custom websites, applying expertise in HTML, CSS, JavaScript, and popular frameworks to bring client visions to life.

## MINI PROJECT

### Halal Food Scanner Website

- **Subject:** Advanced Java
- **Role:** Full Stack Developer
- Built a web application using JSP and Eclipse to help users verify the halal status of food ingredients, categorizing them as Halal, Haram, or Syubhah.
- Added functionality to locate nearby halal restaurants and shops using Google Maps API.
- Designed and managed the database using SQL Workbench, ensuring efficient data storage and retrieval.
- Delivered an intuitive interface with reliable features for halal verification and location services.

### Studify Website

- **Subject:** Secured Web Programming
- **Role:** Full Stack Developer
- Developed Studify, a web-based platform similar to Spotify, designed specifically for students to create study-friendly moods through curated music playlists.
- Enabled user feedback for song suggestions, allowing students to request new songs and enhancing interactivity.
- Integrated admin functionality for managing songs (add, remove, update) and implemented security measures to protect user data and prevent unauthorized access.
- Tools used: XAMPP, PHP, phpMyAdmin, HTML, CSS, and JavaScript.

## ACHIEVEMENT

### First Place - Br4in Hackathon 2024

#### G.tec Medical Engineering

- **Role:** Game Developer
- **Achievement:** Led the development of an immersive game environment in Unity that won first place at Br4in Hackathon 2024.
- **Responsibilities:** Utilized 3D modeling skills to create a realistic and engaging game environment. Configured gameplay logic and mechanics in Unity, integrating brain-wave technology for interactive controls, enhancing user experience through responsive and innovative design.

### Bronze Medal Winner, FKP Innovation Competition 2024 – Innovation Category

- **Project:** SecVision - VR for Cybersecurity Awareness
- Presented an immersive Virtual Reality (VR) training platform designed to raise awareness about cybersecurity, focusing on real-world scenarios such as phishing, password security, and safe browsing.
- Incorporated user feedback from **SCITEX 2024** to enhance interactivity and improve learning outcomes.
- Recognized for its innovative approach to cybersecurity education through engaging VR technology and practical implementation.

### Silver Award Winner, SCITEX 2024 (Science & Technology Research Expo) - Innovation Category

- **Project:** SecVision - VR for Cybersecurity Awareness
- Developed an immersive Virtual Reality (VR) training platform to enhance cybersecurity awareness among youth and organizations.
- Leveraged tools such as **Unity, Figma, and Blender** to create interactive learning experiences that focus on real-world scenarios like phishing, password security, and safe browsing.
- Recognized for its innovative approach to education and practical applicability in institutional and organizational training programs.
  - **Special Award, SCITEX 2024**
    - Acknowledged for outstanding contribution to the field of cybersecurity education through innovative use of VR technology.
    - **Supervised by:** Dr. Nurul Fathihin Binti Mohd Noor Shah, Universiti Sains Islam Malaysia (USIM)
    - Presented research at SCITEX 2024, fostering engagement and collaboration within the academic and professional community.

**ADDITIONAL INFORMATION**

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**2024**

- Understanding Blockchain Ecosystem With Internet Computer ICP
- MDEC 3D Animation Training
- Forum ISAS 2024
- PlayStation Sony Malaysia: 3D animation with Maya

**LANGUAGE**

- Melayu: Advance
- English: Advance
- Arabic: Basic
- French: Basic

**2023**

- Forum Isas 2023
- Sufast (Volleyball Player)
- MDEC HVG Programs
- Test Hackathon 2023 by AL AiN IT CONSULTANTS SDN BHD

**SOFT SKILLS**

- Critical Thinking
- Work Ethic
- Problem Solving
- Teamwork

**REFEREE**

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**NURUL FATHIHIN MOHD NOOR SHAH**

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