

# Muhammad Asyraf bin Roslan

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## ABOUT ME

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A creative and solutions-driven individual with a strong passion for continuous learning, seeking an IT role to leverage a versatile technical skill set. Experienced across enterprise infrastructure, software development, artificial intelligence, and web development. Also skilled in video editing and 3D modeling, bringing a unique blend of technical and creative capabilities to innovative, cross-disciplinary projects.

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## CORE COMPETENCIES

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### Computer Literacy Skills:

Cybersecurity  
Full Stack Development  
Docker Containers Management  
Linux Server Management  
Git Version Control  
Artificial Intelligence

### Programming Languages:

Python  
Java  
C#  
C++  
SQL

### Non-IT skills:

Video editing  
3D modelling  
3D animation

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## WORK EXPERIENCES

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### 1) Software Developer: Hi-Security Consulting Sdn Bhd

[July 2024 – Current]

- Enhanced and maintained in-house applications, including access recording software.
- Managed server configuration and deployment for client environments.
- Developed a real-time surveillance dashboard and integrated Telegram bot for client use.

### 2) PROTÉGÉ ICT engineer: Mindmatics Sdn Bhd

[March 2024 – June 2024]

- Collaborated with the Ministry of Defence Malaysia to support ICT operations.
- Delivered tailored IT solutions to meet client needs
- Assisted in diagnosing and resolving a variety of technical issues.

### 3) Internship: FWD Insurance Berhad

[March 2023 - August 2023]

- Supported the IT Applications team in managing incident tickets, maintaining the request management system, and updating documentation.
- Assisted the IT Infrastructure team with inventory management, device distribution, and software installation for company staff.

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## PERSONAL PROJECTS

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### 1) Minecraft Multiplayer Hosting Server with Discord Integration

- Set up and maintained a public Minecraft multiplayer server using Raspberry Pi 5.
- Developed a Discord bot that automatically shares the server's public IP address in a designated channel, enabling easy access for players.

### 2) Home Network-Attached Storage (NAS) Server

- Configured a NAS system using Raspberry Pi 4 and Samba for efficient local file sharing across devices.
- Ensured secure and reliable access for multiple users within the home network.

### 3) Network-Wide Ad Blocker

- Installed and managed a Raspberry Pi 4-based network-wide ad blocker using Pi-hole.
- Improved browsing performance and privacy across all devices connected to the home network.

#### 4) AI Agentic Discord Chatbot

- Deployed a locally hosted large language model (LLM) and integrated it into a Discord bot.
- Enabled real-time, conversational interactions on Discord using a self-hosted AI model for privacy and customization.

#### 5) AI-Powered Digital Vision Test for Diabetic Retinopathy Detection

- Developed a web-based digital vision screening tool aimed at early detection of Diabetic Retinopathy in patients with Diabetes Mellitus.
- Designed and trained a Python-based AI model to analyze eye images and identify early signs of the condition.

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### EDUCATION & ACHIEVEMENT

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| <b>1) Management and Science University, Selangor</b>      | <b>[2020-2023]</b> |
| <i>Bachelor of Computer Science (Hons.)</i>                |                    |
| ○ FWD Insurance Berhad IT team Internship within 6 months. |                    |
| ○ Final CGPA: 3.46   |                    |
| <b>2) Johor Matriculation College, Tangkak</b>             | <b>[2018-2019]</b> |
| <i>Science Stream 1</i>                                    |                    |
| <b>3) MRSM Parit, Perak</b>                                | <b>[2013-2017]</b> |
| <i>Science Stream</i>                                      |                    |
| ○ SPM: 2A 3A- 1B+ 3B                                       |                    |