

# MIKHAIL ARMANUEL

## Computer Science with AI Undergraduate

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📍 Kuala Lumpur, MALAYSIA

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🐦 hootyhoot

## EXPERIENCE

### Embedded Systems Engineer

#### WyseTime Technologies

📅 July 2026 – PRESENT

📍 PFCC Puchong

### Summer Research Internship

#### University of Nottingham

📅 June 2024 – September 2024

📍 University of Nottingham Malaysia

- Developed and implemented a full-stack book recommendation website, leveraging natural language processing (NLP) and vector embeddings to provide users with tailored suggestions based on content similarity.
- Gained practical experience in cloud-based web applications and successfully deployed the web app with Render.

## PROJECTS

### Book Recommender

Developed a web app tool for searching books based on embeddings and vector databases.

#### Utilised:

- Text Embeddings
- OpenAI API
- ISBNdb API
- Python
- Flask

### METARbot

Developed a Discord bot privately hosted inside a docker container to fetch METARs (Weather reports used in aviation) for flight simulation purposes which has been used in over 75 flight sim servers.

#### Utilised:

- Discord API
- CheckWX API
- Python
- Flask
- Docker

### Personal Portfolio Website

Designed, developed, and deployed a personal portfolio website to showcase projects, skills, and professional experience.

#### Utilised:

- Github Pages

## MY LIFE PHILOSOPHY

*“Strive to make a meaningful difference with the things you make”*

## ACHIEVEMENTS



### Participant in 'Malaysia Cybersecurity Camp 2024'

Joined MCC2024 hosted by cyber-camp.my, participated in courses for Web Vulnerability, Reverse Engineering, IoT and Hardware Hacking, and Lockpicking



### Participant in 'APU Battle of Hackers CTF 2024'

Lead a team of 3 in APU's Battle of Hackers 2024 Hackathon



### Successfully Deployed Homesever

Built, setup Mikrotik networking, and manage Dell R430 Homesever running Proxmox hypervisor, with TrueNAS and Coolify site hosting servers for personal experimentation and use

## STRENGTHS

Quick learner

Eye for detail

Team Motivator & Leader

Obsessively punctual in all matters

Server Management

Bash

Linux

Docker

Python

C

## LANGUAGES

English



Malay



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## SpeedRead

Developed a Java application for speed reading PDF documents using Apache PDFBox library and Maven build automation tool.

### Utilised:

- Desktop App Development
  - Maven Build Tools
  - Java
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## CERTIFICATIONS

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### CompTIA A+ (ONGOING)

Currently in the self-study process for the CompTIA A+ Certification

## EDUCATION

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National Semiconductor Excellence Programme (AI Robotics)

Advanced Semiconductor Academy of Malaysia

📅 June 2026 – October 2026

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B.Sc. Computer Science with AI

University of Nottingham

📅 Sept 2023 – June 2026

CGPA: 3.80

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UK A-Levels

Newton International Academy, QATAR

📅 Sept 2020 – June 2022

Grades: 6A, 1A\* (7 Subjects Taken)

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## REFEREES

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