

# MOHD BRUCE LEE BIN MUSTAPA

Bachelor of Computer Science (Artificial Intelligence) with Honours

**Contact:** +60136326154

**Email:** [mohdbrucelee@gmail.com](mailto:mohdbrucelee@gmail.com)

**Linkedin:** <https://www.linkedin.com/in/mohdbruce>

## SUMMARY

---

AI/ML enthusiast with expertise in AI, ML, Data Science, MLOps, and DevOps, seeking opportunities to build intelligent systems and streamline workflows in data-driven environments.

## EDUCATIONS

---

### UNIVERSITI TEKNIKAL MALAYSIA MELAKA

OCT 2020 - MARCH 2024

BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH HONOURS

- Completed coursework in Machine Learning, Natural Language Processing, Data Science, Neural Network and few more.
- **Final year project:** Developed a predictive model of Network cabling length optimization using Genetic Algorithm.
- **Highlighted project:** Smart Parking System using number plate recognition, Descriptive Model for H&M Retail Sdn Bhd sale yearly performance.

## WORK EXPERIENCES

---

### UNIVERSITI TEKNIKAL MALAYSIA MELAKA

AYER KEROH, MELAKA

AI RESEARCH ENGINEER

APRIL 2025 - NOW

- A full stack AI Engineer working on the Personality Analysis using Graphology method project. The tech stack of this project is Next.js for frontend and Python for backend and AI Services.
- Research in image processing to detect the pattern of the handwriting using OpenCV and Pytesseract library.
- Building a fully functional software as a service. Deployed in the VPS that self-managed. This included the CI/CD, monitoring, and scalability part to ensure the system is production grade level.

### IN.D SOLUTION SDN BHD

ALOR GAJAH, MELAKA

SOFTWARE ENGINEER

MARCH 2024 - MARCH 2025

- Maintaining and improving software applications used to operate the machine using C++ and C# within the Windows Presentation Foundation (WPF) framework.
- Troubleshooting and debugging software applications to fix bugs and errors using Microsoft Visual Studio, ensuring smooth machine operation.

### UNIVERSITI TEKNIKAL MALAYSIA MELAKA

AYER KEROH, MELAKA

WEB DEVELOPER INTERN

OCT 2023 - MARCH 2024

- Upgraded the old department website to a new one using Joomla version 4 and WordPress.
- Conducted research on NoSQL databases using MongoDB and implemented findings in a PHP application.

## CERTIFICATIONS

---

- CNCF - Certified Kubernetes Administrator Nov 2024
- CCSD Council - Certified DevOps Foundation Sep 2024
- Microsoft Azure AI Fundamental (AI-900) Sep 2023
- RapidMiner - Machine Learning Professional Certificate Dec 2022
- RapidMiner - Data Engineering Professional Certificate Dec 2022
- RapidMiner - Application and Uses Cases Professional Certificate Dec 2022

## TECHNICAL SKILLS

---

**Programming Language:** C#, C++, Java, Javascript, Python

**Proficients:**

- AI/ML - Traditional Machine Learning, Deep Learning, Computer Vision
- GenAI - Retrieval-Augmented Generation (RAG), Finetuning Frontier and Open Source LLM
- MLOps. DevOps - CI/CD pipeline, Cloud hosting, Model performance monitoring,

**AI/ML Frameworks:** OpenCV, Scikit-Learn, Tensorflow, Langchain

**DevOps Tools:** Kubernetes, Docker, Git, Gitlab, Github, Terraform

**Cloud Platform:** AWS (Cloud deployment and AI tool : Bedrock, Sagemaker)

## ACTIVITIES

---

### Leadership Experience

Exco, Artificial Intelligence Club (AI Club) 2020 - 2021

- Organised several events such as AI Club Bonding Day, AI Club Hackathon, and Women in AI (WAI) Summit event and this event is the international event collaboration between UTeM and Women in AI (WAI), a non-profit do-tank working towards gender-inclusive AI that benefits global society.

Exco, Student Representative Committee 2019 - 2020

- Successfully orchestrated numerous events, including Carnivals, Talent Shows, Matric Open Days, and more. Served as the Head of the Welfare Executive Committee, diligently addressing and resolving student complaints and issues within the college.

## LANGUAGES

---

**Malay** - Native speaker

**English** - Proficient

## REFERENCES

---

Dr. Noor Fazilla Abd Yusof  
Department of Intelligent Computing &  
Analytics (ICA)  
Contact: +601126104395  
Email: [elle@utem.edu.my](mailto:elle@utem.edu.my)

Dr. Norhazwani Binti Md Yunos  
Department of Intelligent Computing &  
Analytics (ICA)  
Contact: +60127442798  
Email: [wanie.my@utem.edu.my](mailto:wanie.my@utem.edu.my)