

Muhammad Haikal bin Abdul Razak
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Education

National University of Malaysia

August 2021 – August 2025

Bachelor's Degree in Computer Science with Honour

- Dean's Award for first semester 2021/2022 session.
- Dean's Award for second semester 2021/2022 session.
- Vice President of Student Associations Faculty of Information Science and Technology.

Work Experience

The National University of Malaysia

Bangi, Selangor

Full-stack developer / AI Researcher

May 2025 - Present

- Developed a full-stack deepfake detection web app using React (Next.js) and Flask.
- Built a custom AI model combining ResNeXt-50 and BiLSTM with attention for image and video analysis.
- Used OpenCV for video frame extraction and preview generation.
- Implemented metadata extraction and API endpoints for detailed media analysis.

CyberSecurity Malaysia

Cyberjaya, Selangor

Cyber Risk Intelligence Intern

August 2024 - January 2025

- Researched LLM fine-tuning methods (LoRA, RAG) and supported LLM Ops for AI-driven cybersecurity applications.
- Authored 30 reports on Malaysian data breaches from the dark web, analyzing threat actor behavior and exposure risks.
- Conducted dark web monitoring and supported detection of malicious actors targeting Malaysian organizations.
- Led a cyber threat intelligence workshop with UTM and developed risk analysis reports for CyberSecurity Malaysia's executive team.

Leadership Experience

Student Association of Faculty of Information Science and Technology

August 2022 – July 2023

Vice President

- Lead two Executive Committee which is "Alumni dan Warga" and "Hal Ehwal Luar dan Antarabangsa" consist total of eight members.
- Successfully supervised four and director of two mega events.

Skills & Certification

Natural Language Processing (NLP)

- Preprocessed and analyzed 15,000 tweets using VADER for sentiment labeling; assigned sentiment categories (positive, negative, neutral) based on compound scores.
- Trained and evaluated sentiment classifiers (Naive Bayes, Random Forest, SVM) using TF-IDF features, achieving up to 97.2% accuracy.

Image Recognition/Annotations

Chronic Myeloid Leukemia (CML) Classification Model

- Developed a YOLOv5-based classification model using clinical and image data to diagnose Chronic Myeloid Leukemia (CML), achieving 97% accuracy on 250 annotated blood sample images.
- Utilized patient features (e.g., body temperature, weight changes, infection frequency, WBC count) to enhance early detection and support improved treatment outcomes.

University's Activity

Industrial Visit at Xsolla

Director

- Successfully introduced 30 students from our faculty to Xsolla, a Multi-National Corporation and showcase its work culture and career opportunities offered to us.
- Provided students with valuable insights into real-world corporate operations

**Vertical Corporate Tower
B, Bangsar South**
6th June 2023

Student Parliament National University of Malaysia 8th Session

Representative

- Parliament has the duty of exercising checks and balances on the executive branch of the government, which is charged with the responsibility of making decisions and taking actions.
- Spoke about the effective management of money flow in an organization is crucial for maintaining financial stability and achieving long-term growth.

**Dewan Senat, Aras 5,
Bangunan Canselori,
Universiti Kebangsaan
Malaysia**
11th June 2022

References

Prof. Dr. Siti Norul Huda bt. Sheikh Abdullah

Pusat Kajian Keselamatan Siber (CYBER)

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03 8921 5555

Assoc. Prof. Dr. Suhaila Zainudin

Assistant Dean (Students and Alumni Affairs)

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