

MUHAMMAD NAIMI NAFIS BIN NORLISAM

Software Engineering

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EDUCATION

UNIVERSITY OF MALAYA

April 2020 – March 2022

Special Preparatory Program to Enter Japanese Universities (AAJ), GPA: 3.56

KYOTO INSTITUTE OF TECHNOLOGY

April 2022 – Present

Information Technology, 4th year Bachelor's Degree, GPA: 2.61

Expected Graduation: March 2026

SKILL

Programming languages: HTML/CSS, JavaScript, C/C++, Java, SQLite, Python, Ruby

Computer software/frameworks: Git/GitHub, React, Ruby on Rails

Languages: Malay (native), English (native), Japanese (JLPT N2)

PROJECTS

Educational Compiler in C | Github

September 2024 - February 2025

Language Processing Class Project

- Built an educational level lexical analyzer and cross-reference table from scratch, parsing custom syntax.
- Implemented symbol table management and error handling for 10+ grammar rules.
- Achieved 80% accuracy in tokenizing 500+ lines of test code based on passed tests.

Readoku: AI-Powered Translation Assistant | GitHub

June 2025

TrackJob Hackathon Project (Browser Extension & AI Integration)

- Developed a browser extension to provide instant, context-aware Japanese translations for selected text.
- Integrated a live AI translation using Gemini API to help users accelerate language learning.

Web-Based Etch-a-Sketch & Calculator | GitHub

December 2023

Personal Project (Front-end fundamentals)

- Developed interactive apps using vanilla JS, manipulating DOM elements dynamically.
- Applied event-driven programming to handle user inputs with 0 latency.

RESEARCH EXPERIENCE

AI Software Engineering Laboratory | Kyoto Institute of Technology

April 2024 - Present

Undergraduate Researcher | LLM-based Code Analysis

- Investigating prompt engineering strategies for LLMs to precisely identify semantic code clones in large codebases.
- Developing models to trace incorrect API usage patterns, aiming to create tools that can suggest automated code corrections.

EXTRACURRICULAR ACTIVITIES

Malaysians in Kyoto Association

April 2023 - March 2024

President

- Organized 5+ multicultural events for 50+ attendees, fostering international connections.