

Hassan Yassin Mohamed

Aspiring AI&ML Engineer

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Projects

PathToHire – AI-Powered Interview Simulation Platform : Engineered the backend of a full-stack AI interview platform that conducts mock technical interviews based on user CV or field. Integrated RapidAPI to generate adaptive interview questions and used a generative AI model for response evaluation. Stored interview history and analytics for personalized feedback. Developed with JavaScript and Python.

GesturaLink – Vision-Based Hand Gesture Control System: Created an AI-driven virtual mouse with computer vision that maps hand gestures to desktop cursor movement and actions

Alzheimer's Disease Detection Using CNN: Trained a Convolutional Neural Network on MRI brain scans to classify Alzheimer's stages across four categories (NonDemented to ModerateDemented). Achieved 79% validation accuracy after tuning image augmentation, dropout, and learning rate. Used TensorFlow with structured model testing on real-world healthcare data.

Machine Learning for Obesity Classification : Designed machine learning algorithms (Decision Trees, Random Forests, Neural Networks) to predict levels of obesity with up to 96% accuracy. Included main variables weight, height, and lifestyle to aid in providing public health planning with evidence-based informed decisions.

Technical Skills

Programming:	C++, Python
Libraries:	OpenCV, Pandas, Numpy
Operating Systems:	Windows and Linux
Database :	MySQL/MariaDB

Education

Multi Media University	Malacca, Malaysia	B.Sc, in Computer Science, 2026 ,(Current CGPA: 3.61 / 4.00)
Salman Al-Farisi School	Sharjah, UAE	High School Graduate, 2020

Activities

CodeNnection Hackathon 2024	Ranked 40th
CodeWars	8Kyu Rank
Athar charity Initiative	Provided supplies to over 40 families in ramadan
Awoun Initiative	Assisted in fundraising to supply essentials to 200 families
The Institution of Engineers MMU	Contributed as an assistant in a soldering workshop even
Super Hero club MMU	Assisted in cleaning the Melaka River beach