Hassan Yassin Mohamed
Problem Solver

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Projects

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

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.

Juice Management System : Developed and designed a Juice Management System using data structures and algorithms. The system handles inventory, cashier transactions, and order processing with effective ingredient tracking and queue-based table management. Implemented in C++, with a focus on custom data structures for optimization of performance

Technical Skills

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

Education

Multi Media University	**Malacca, Malaysia**	**B.Se. in Computer Science, 2026**
Salman Al-Farisi School	**Sharjah, UAE**	**High School Graduate, 2020**

Activities

CodeNection 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