HAMID MORADI

(+44) 7555839532   London
utho.hm@gmail.com   IG11 9UN

I am a highly motivated and results-oriented student with a strong academic standing committed to exploring data and technology. Eager to leverage and improve my analytical problem-solving skills as a software engineer.

EDUCATION

BSc	University of Warwick, Computer Science	August 2026
A-Levels	Barking Abbey School	August 2023
	Persian, Maths, Computer Science, Physics, Geography	
	A*AAAA	

EXPERIENCE

Barking Abbey School - Tutor   2021-2022
Tutoring students in GCSE Mathematics
Developed communication, problem-solving, and patience

NHS COVID Vaccine Volunteer   2021
Supported vaccination efforts through logistical assistance and patient interaction.
Skills: teamwork, communication, and adaptability in a fast-paced environment

Coventry University of London - IT Services   2019
Resolved user tickets and educated students on system and network
Skills: teamwork, communication, and adaptability in a fast-paced environment

PROJECTS

Multi-Threaded Network Packet Scanner
Implemented a network scanner which detected ARP, SYN and blacklisted URL packets in C. Took this a step further by implementing multi-threading (thread pooling) simultaneously ensuring memory safety via mutex locks. As such the program has much higher packet throughput.

Maze Solver
Created a maze solving algorithm in Java which can solve complex mazes (tested up to 800 x 800). Stores solution after solving. Optimized at for better space complexity. Employed several data structures to save maze information.
Demonstrated problem-solving, logical thinking and programming skills.

2D 2-Player Combat Game
As part of A-Level coursework I created a pixel art game in python using pygame, implemented with OOP. Used mathematical modelling for movement such as jumping, dashing and items which were thrown and for sprite collision.

RELEVANT MODULES

Computer Security, Cyber Security, Data Analytics, Data Structures and Algorithms, OS and network, Software Engineering

SKILLS

Java, Python, SQL, C, Flask, JavaScript, HTML/CSS   Fluent in Persian