

Hamza Alsoodani

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Personal Summary

A penultimate year student with a deep passion for computer science and the emerging tech world. I am eager to secure a learning opportunity with your institution and to apply my knowledge to real world challenges.

Education

Queen Mary's University of London - Computer Science BSc	2023 – 2026
Greenford high School - A Level: Mathematics (A*), Biology (A), Chemistry (A)	2020 – 2022

Projects

FDM Timesheet app

- Currently using OOP principles for structured design when developing an FDM timesheet app, and I made UML diagrams to plan the system. Using an Agile methodology, features were released gradually with an emphasis on software quality control. Working in a team setting and using Git for version control, I am developing my technical and managerial abilities to guarantee the system's scalability and quality. Along with protecting data privacy, I also discussed risks and moral dilemmas.

Weather App

- Currently using Python to create a weather app and incorporate the OpenWeather API to retrieve current weather information. The application dynamically updates its location, temperature, and weather data in response to API responses. I am planning on using User-focused features like weather-based recommendations animated day-to-night transitions, and visually appealing data representation have been added. I improved my abilities in software development, UI/UX design, data visualisation, and API integration as a result of this project.

Trading Bot App

- I used APIs in python to create a live trading bot that fetches real-time data. It analyses candlestick patterns to identify signals and automate trade decisions, helping to execute trades. Throughout this project, I developed skills in API integration, data analysis and problem solving.

Horse Racing Simulator

- I used OOP concepts to structure classes like Horse, Race, and Track in a Python horse racing game with a graphical user interface. The game showcases abilities in Java, OOP, and GUI design with its randomised races, real-time progress updates, and betting features.

Skills

- Programming Languages: Java, Python, HTML, CSS, React, JavaScript, MySQL
- Modules: Algorithms and Data Structure, OOP, Web technology, Software Engineering, Databases
- Languages: English and Arabic

Work experience

- Door Supervisor - Ensured public safety and smooth operations in high-pressure environments, developing strong communication and teamwork skills.
- Sales associate – provided expert product knowledge and customer service to luxury clients.
- Event Host - Managed guest inquiries and supported event operations in a fast-paced, team-based setting at Netflix: Stranger things Experience.