

Muhannad Alduraywish *Software Developer*

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🔗 <https://mqhanad.github.io/Portfolio/>

About Me

As a KFUPM student from Al Jouf, I'm deeply fascinated by the intersection of technology and innovation. Video games have always captivated my interest, igniting my curiosity about the intricate workings of software and digital systems. With an insatiable appetite for learning, I'm on a quest to absorb knowledge from every available avenue within my major. While I haven't yet settled on a specialization, I see this period as an exciting exploration phase. Post-graduation, I aim to channel my diverse experiences into a focused pursuit, leveraging my newfound expertise to make meaningful contributions in the field of technology.

Education

2020 – Current Dharan	B.S. in Software Engineering <i>King Fahd University of Petroleum and Minerals</i>
2017 – 2020 Dumat al-Jandal	High School <i>Prince Nayef bin Abdul Aziz High School</i>

Skills

Fullstack Wep Development

Building fullstack web application using React or Next.js for frontend and Node.js for backend

Desktop Application Development

Building Desktop applications using .Net, C#, and javaFX

Database

Designing and creating Databases using EER, SQL, and NoSQL

Artificial Intelligence

Training Yolo object detection models and building neural networks, KNN, SVM models from scratch

Mobile Application Development

Building fullstack mobile application using React Native

Game Development

Developing 2D, 3D games using unity engine

Software Desingn

Designing Softwares using UML, and apply the appropriate design patterns, and implement them

Projects

Sen

React Native App that uses AI to diagnose oral health problems using the camera and recomened products appropriate to the patient conditions (currently working on it)

POSitiveFlow

POSitiveFlow is designed to streamline operations and enhance customer experiences for small to medium-sized businesses. Utilizing modern technologies such as Next.js for responsive frontend and Nest.js for scalable backend services, this system integrates seamlessly with WhatsApp for sending digital receipts and managing customer loyalty programs.

Quran city

This game was created as part of a hackathon called "Challenge of Quranic Apps." It's an open-world city consisting of 30 buildings, with each building representing a Juzu (part) of the Quran. Each building contains multiple Suras (chapters), providing an engaging and interactive way to explore and learn the Quran.

Flight Reservation System

The Flight Reservation System is a desktop application designed with Enhanced Entity-Relationship (EER) modeling and built using SQL and C#. It manages and books flights efficiently, providing a user-friendly interface for passengers, and administrators.

Hit The Road Jack

"Hit the Road Jack" is a game, where you are going to guide Jack as he drives away from his wife after she asked him to leave due to an argument. Your goal is to help him avoid collisions with other cars and achieve high scores. One crash ends the game.

File/Folder visualizer

a simple desktop application to visualize the capacity of files and folders using charts.

Designed to follow the following design patterns:

- Observer pattern
- Composite pattern

Shapes Drawing App

a simple desktop application to draw various shapes on the screen.

Designed to follow the following Principles:

- Abstraction and Encapsulation
- Single Responsibility Principle
- Open-Closed Principle

Languages

- Arabic
- English

References

Available on request