Mohammad Al-Ghafli

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Profile

I'm a Computer Science student with diverse knowledge in different programming fields, including web development, Artificial Intelligence, and computer graphics. I volunteered for many initiatives and organizations, that gave me experience in graphic design and some other skills.

Education

2016 Sep – 2021 Jun	**King Abdulaziz University,** *Bachelor of Cimputer Science* GPA: 4.74 out of 5

Professional Experience

2016 Sep – present	**King Abdulaziz University,** *Graphic Designer* • I volunteered as a graphic designer in KAU, during my university years
2020 May – 2020 Aug	**Saudi Data Special Interest Group,** *Intern* Participated on "Saudi Data Special Interest Group" co-op training. On the training, our project ranked as the highest scored project between the other projects on the co-op program.
Since about 7 years	**Free Lancing,** *Graphic Designer*

Skills

- Programming in Java (Professional)
- Knowledge at the following Python libraries: Numpy, Pandas, OpenCV, and Pillow (experienced)
- Programming in Prolog (basics)
- Designing a Computer Network, and configure its devices (basics)
- Version Control & GIT (experienced)
- Designing Graphics using Adobe Illustrator (experienced)
- Programming in Python (Professional)
- Web Development (experienced)
- Building Databases (basics)
- Linux (experienced)
- Designing with Adobe Photoshop (experienced)
- Motion Graphics using Adobe After Affect (beginner)

Soft Skills

- Problem Solving
- Public Speaking
- Creativity
- Teamwork
- Dealing with Customers

Projects

Eyfad Project, *May 2020 - Aug 2020*
- We made this project during the co-op training at "Saudi Data Special Interest Group". The project is a platform contains a machine learning model for Arabic handwritten text recognition built from scratch. We called this platform Eyfad. On this project, there were more than 150 participants and we built a data-set has more than 9500 image of Arabic handwritten text.

Learning Disability App
- In this Project (group project), we applied what we have studied in Software technology topics, where we built a java program that uses advanced topics like GUI (Javafx) and adding sounds when the user makes a specific action. The project is about making many games each game for improving a specific skill for the child who has a learning disability.

E-Book System
- In this project (individual project), I applied what I have studied in Software Technology course to make a real application for an e-book system. I used advanced Java topics like GUI with Javafx, serialization, and event handlers.

KAU website 2.0 prototype
- In this project, me and my team tried to redesign our university website by making a high fidelity prototype and tried to make the website more aesthetic and usable.

System design for Disciples Program
- In this project, me and my team tried to applied what we have studied in the Software Engineering course, where we made the entire System Requirements Specification Document (SRS). We followed the software engineering approach, where we made the requirements elicitation and made all the diagrams and modules for that program. Also, we applied the design patterns for designing the Class Diagram and Sequence Diagram.

System Diagnoses System (AI expert system)
- In this group project, we applied what we studied in Artificial Intelligence course. We made in expert system using Prolog Programming Language. The System will ask some questions and try to predict the ill which the patient has.

Multiple Algorithms for Graph Data Structure
- In this group project, we implement graph and many other data structures and we applied the following algorithms: Breadth First Search (BFS), Depth First Search (DFS), Dijkstra Algorithm, Kruskal's Algorithm, and Prim's Algorithm.

University Database
- This is the group project of Database I course, where we made full conceptual, logical, and physical schema for university database.

Multiple Designs
- I made multiple designs and logos for different restaurants and shops.

Languages

- Arabic (native)
- English (proficient)
- French (basics)