Yusra Haitham Alfares

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SUMMARY

Highly motivated and passionate Computer Science student with expertise in software development, machine learning, and database systems. Demonstrated leadership skills through various roles, experienced in Python, Java, jupyter Notebook, and MySQL.

EDUCATION

Bachelor of Computer Science   **August 2021 - Present**
Al-Imam Muhammed ibn Saud Islamic University · Riyadh, Saudi Arabia · 4.25/5.00
· Received an award for the Dean's List for Outstanding Students

EXPERIENCE

- **McKinsey Forward Program**   **September 2024 - December 2024**
- **Leader -RobotX**
· Leader of the Media committee.   **January 2024 – October 2024**

- **Event Organiser -Devfest**
                                                                   December 2023 - December 2023
· Collaborated with my club members to plan and execute a successful booth during the event.

COURSEWORK

Web and Application development
Al-Imam Muhammed ibn Saud Islamic University   · 2024

Generative AI
Al-Imam Muhammed ibn Saud Islamic University   · 2024

Introduction to games development
Al-Imam Muhammed ibn Saud Islamic University   · 2024

PROJECTS

Smart Parking System
· Research based project on smart parking system, utilizing current machine learning algorithms for traffic analysis and optimization within parking lots.

Java
· Made snakes and ladders game using Java, where it calculates the shortest path using BFS and DFS algorithms.

Python
· Used A* and generic algorithm to find the shortest path in a given grid that contains obstacles.

· A lexical analyzer that identifies and classifies different tokens.

· Implemented 3 different types of machine learning algorithms and provided their differences.

MySQL
· Made a fully functioning Database for a Zoo system.

SKILLS

Soft skills:
· Teamwork
· Leadership
· Problem-solving
· Time management
· Communication

Technical skills
· Java
· Python
· MySQL
· Excel
· Jupyter Notebook

Languages
Arabic - Fluent
English - Fluent