Khadijah Mahzari

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EDUCATION

B.S. in Computer Science
open Arab university| Expected Graduation: May 2026
Relevant Courses: Software Development, Data Structures & Algorithms, Discrete Structures, Multivariable Calculus, Statistics & Probability, Database Management

TECHNICAL SKILLS

- **Programming Languages**: Python, C++
- **Web Development:** HTML, CSS, JavaScript
- **Tools & Platforms:** Visual Studio Code, SQL, Unity, Excel, power BI
- **Other Skills:** Problem-solving, Debugging

PROGRAMS & CERTIFICATIONS

- **Women Elevate Program**
  - Covered **AI Essentials**: foundations of Artificial Intelligence and applications.
  - Completed **Azure Essentials: Cloud & AI Basics**, with hands-on exposure to Microsoft Azure services.
  - Included **Microsoft Azure AI Fundamentals** training.

Work Experience

Sales Associate
Apparel Store | Nov 2021 – Jul 2022
- Tracked and analyzed sales data to identify trends, leading to improved sales strategies.
- Assisted in forecasting sales based on historical data and seasonal trends.
- Developed strong problem-solving skills by handling customer concerns and improving service processes.
- Collaborated with a team to enhance customer experience, increasing overall satisfaction and retention.

projects

Interactive Blocks World Simulation
Oct 2025 – Oct 2025 | HTML, CSS, JavaScript
- Developed an interactive web simulation of the classic Blocks World planning problem (STRIPS operators).
- Implemented pick-and-place functionality, state tracking (holding, ontable, on) for visualizing AI planning.
- Created an engaging educational tool to demonstrate basic AI planning concepts.

Saudi Brands – Local & Arabic Brands Showcase
Sep 2025 – Present | HTML, CSS, JavaScript
- Designed a clean, responsive web project to promote local and Arabic brands.
- Dynamically loads data from Excel/CSV files for easy updates.
- Aims to support local entrepreneurship and provide an interactive browsing experience.

Music Recommendation System

Jun 2025 | Python, Pandas, Scikit-learn, Jupyter, Joblib

- Built a machine learning model using a Decision Tree Classifier to predict music preferences based on user age and gender.
- Processed and cleaned datasets using Pandas; trained and deployed the model using Scikit-learn and Joblib.

Bird Game (Personal Project)

Unity, C#, Visual Studio Code

- Designed a 2D bird game featuring physics-based mechanics and animated obstacles.
- Focused on smooth gameplay experience through intuitive design and engaging visuals.

CERTIFICATES & ACTIVITIES

Certificate of Appreciation

Arab Open University | 2024–2025

Received a Certificate of Appreciation from the Student Affairs Department for active participation in the Computer Club.

- **AI Club – Data Scientist:** Cleaned and preprocessed data; built an NLP model to generate new questions for learning purposes.
- **Gaming Club – Developer:** Assisted in creating a short interactive game using Unity and C++, focusing on gameplay logic and user experience**.**
- **Cyber Security Club – Graphic Designer:** Designed the club logo and created email campaign visuals to support communication and outreach.