

# **Khadijah Mahzari**

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## **EDUCATION**

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### **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**

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

- **Microsoft Certified: Azure AI Fundamentals (AI-900)**

*Issued by Microsoft – November 2025*

Demonstrated knowledge of core AI and Machine Learning concepts, Azure Cognitive Services, and responsible AI principles.

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## **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.
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## **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.
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#### **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.