

Abdulrahman Mohammed

Unity Developer

CONTACT

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Portfolio: <https://abdulrahman-portfolio.com/>

PROFESSIONAL SUMMARY

Creative Game Developer with 4+ years of experience in Unity for mobile, WebGL, and PC games. Skilled in programming, networking, 3D design, animation, rigging, Shader Graph, and 3D anamorphic design. Experienced in interactive media projects, real-time character motion with MediaPipe and Microsoft Kinect, interactive multimedia with TouchDesigner, integrating AI into games, multiplayer development with dedicated servers, AWS and Unity Hosting, backend integration with MySQL, PHP, Firebase, and sensor-driven inputs using Unity and Raspberry Pi. Passionate about exploring AR/XR development and creating immersive, innovative gaming experiences.

PROFESSIONAL EXPERIENCE

Unity Developer | 2025–Present -----

AI Arcade Studio

- **Virtual Lab Builder** – Developed a Unity tool with a node system to connect nodes and manage experiments, storing and retrieving data via MySQL + PHP.
- **Multiplayer Quiz Race** A multiplayer racing quiz game where players answer questions to advance along the track, competing to reach correct answers first.
- **FPS Shooter Quiz** An online first-person shooter game where a question appears on the screen and players must shoot the object representing the correct answer.
- **Esports Board Game Collection** A multiplayer esport game featuring board games like Chess, Ludo, and many more, with a tournament and friends system, using multiple Unity services and a backend to manage tournaments, player data, and game progress, while storing extensive information in MySQL.
- **Mini Games for Educational Simulations** Developed 5+ mini games simulating school subjects, such as chemistry experiments and physics simulations, providing interactive learning experiences.

Unity Developer Contributor | 2025 -----

Orpita Games Studio (Starter Studio)

- **Collaborated** with a small indie team on a Game Jam project, contributing ideas and organizing the project workflow among the team.

Unity Developer | 2021–2025 -----

Freelancer

- **Game Development.** – Participated in 3 game jams. – Developed a quiz game using Unity Addressables with multiple-choice questions, scoring system, user-friendly UI, and a backend for storing user data – (2025).
- **3D Design & Animation** – Created a program to display 3D models on a hologram screen with full control over lighting, model selection, and interactive settings.
- **Interactive & Multimedia Projects.**
 1. Developed a real-time motion capture system that maps a person's movements to a 3D character using MediaPipe for Valu.
 2. – Developed a program that controls a motion sensor on a Raspberry Pi and sends videos and images via socket communication.
 3. Created 3D animations and 3D anamorphic designs for a product model of Asas Signal paste.

Graphic Design | 2018-2019 -----

Al Motwada Company

- Designed banners, storefront signs, advertisements, and promotional cards for local shops

EDUCATION **New Cairo Academy | 2019 -2023**
Bachelor Of Information System

CERTIFICATES

The Ultimate Unity Coloring & Painting Course 2025 Udemy	Make Online Games Using Unity's Multiplayer Framework 2025 Udemy
Python Programming 2024 Mahara-Tech	Web Development & Web Design 2019 It Sharks
Stock Trading 2022 Egyptian Sciences House	Graphic Design & Motion Graphic 2018 Envision Academy

PROGRAMMING LANGUAGES C# - Python - HTML - CSS - JavaScript - jQuery - PHP - MySQL **LANGUAGES** Arabic (Native) - English (Good)

GAME DEVELOPMENT SKILLS (UNITY) Procedural Animation - Performance Optimization - Networking - Shader Graph **UNITY TOOLS & ASSETS** Animation Rigging - DOTween - ProBuilder - Unity Profiler - etc..

PROGRAMMING & ARCHITECTURE OOP - Design Patterns (e.g., Singleton, Observer, etc.) - SOLID Principles **3D & DESIGN SKILLS** 3D Modeling - Rigging - Animation - Retopology - UV Mapping - Texturing

OTHER TECHNICAL SKILLS Git - GitHub - Linux - AI Tools **PERSONAL SKILLS** Communication - Confidence - Observation Skills - Leadership - Problem Solving - Creativity

SOFTWARE SKILLS Unity3d - Blender - Substance Painter - Marvelous Designer - Cascadeur - RizomUV - TopGun3 - Marmoset Toolbag - Adobe Photoshop - Adobe Illustrator - Adobe After Effect - Adobe Indesign - Microsoft Office - Microsoft Dynamics 365 - Coral Draw - Git - Houdini - TouchDesigner