

HAMZA KERDI

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in full-stack web development, database design, and backend system development. Skilled in ASP.NET, PHP, Node.js, JavaScript, SQL, and MySQL, with experience building secure, database-driven applications featuring authentication, authorization, and role-based access control. Strong foundation in software engineering, object-oriented programming, data structures, and algorithms. Passionate about developing scalable software solutions and continuously improving technical expertise through real-world projects.

EDUCATION

Bachelor's Degree in Computer Science

Lebanese University – Faculty of Science, Tripoli, Lebanon
2023 – 2026

Relevant Coursework:

Data Structures • Algorithms • Object-Oriented Programming • Database Systems • Software Engineering

EXPERIENCE

AI & Machine Learning Intern

CodeAlpha – Remote | June 2026 – Present

- Selected for an AI & Machine Learning internship focused on real-world AI applications and model development.
- Working on data analysis, machine learning model implementation, and software integration tasks.
- Participating in end-to-end AI project workflows including testing and deployment practices.
- Gaining hands-on experience with applied machine learning and software engineering workflows.

TECHNICAL SKILLS

Programming Languages:	C#, C++, PHP, JavaScript, SQL
Web Technologies:	ASP.NET, Node.js, HTML5, CSS3, JavaScript
Databases:	SQL, MySQL, Database Design, Normalization, Indexing, Query Optimization
Tools & Platforms:	Git, GitHub, Version Control
Software Development:	OOP, Data Structures, Algorithms, Software Engineering, REST APIs, Authentication, Authorization, RBAC

PROJECTS

Game Development Management System | Node.js, JavaScript, SQL

GitHub: github.com/HamzaKerdi26/db2-week1

- Developed a role-based management platform for coordinating game development teams and workflows.
- Implemented authentication and security mechanisms including automatic account blocking after 3 failed login attempts.
- Applied database indexing techniques to improve query performance and system efficiency.
- Designed scalable relational database structures to manage complex relationships between users, roles, and assets.

Gym Management System | ASP.NET, C#, SQL

GitHub: github.com/HamzaKerdi26/Gym-Management-System

- Collaborated in a team project to develop a full-stack gym management system.
- Implemented member registration, subscription management, and payment tracking features.
- Designed role-based access control for administrative and user operations.
- Built and maintained relational database schema for managing users and transactions.

Game Platform Web Application | PHP, MySQL, JavaScript, HTML, CSS

GitHub: github.com/HamzaKerdi26/project_arcade

- Developed a database-driven gaming platform with secure authentication and session management.
- Implemented CRUD operations for game and user management.
- Designed responsive frontend interfaces using HTML, CSS, and JavaScript.
- Built backend logic using PHP and MySQL for data persistence and processing.

VOLUNTEER EXPERIENCE

Hospital Volunteer | Community Support Program

2024 – Present

- Assisted in organizing hospital and community support events.
- Supported elderly patients and visitors with guidance and assistance.
- Collaborated with healthcare staff and volunteers to improve patient experience.
- Developed communication, teamwork, and organizational skills through long-term community involvement.

LANGUAGES

- Arabic — Native
- English — Fluent