

AHMED DESOUKI

01093994885 ◇ Cairo, Egypt

ahmeddddesoukiii@gmail.com ◇ linkedin.com/in/ahmed-desoukii ◇ github.com/AhmedDesouki

EDUCATION

Bachelor of Informatics and Computer Science, The British University In Egypt
Major: Software Engineering

July 2023

TECHNICAL SKILLS

Programming Languages	C#, JavaScript, C++, Java, Python, HTML, CSS
Frameworks	.NET, Angular, React.js, Bootstrap
Databases	MS SQL Server, MongoDB
Tools	Git, GitHub, RESTful APIs
Concepts	OOP, Design Patterns, MVC, Software Architecture
Languages	Arabic (Native), English (Fluent)

PROFESSIONAL EXPERIENCE

Full-Stack Developer Intern, Sure Global Technology 

June 2025 – Present

- Developed a full-stack web applications using **ASP.NET Core** and **Angular**, applying Clean Architecture principles.
- Gained hands-on experience with middleware pipelines, JWT authentication, and modular API design.
- Consumed and integrated RESTful APIs into Angular frontend components.
- Applied **SOLID principles**, the **Service & Repository pattern**, and the **Unit of Work pattern** in real scenarios.
- Worked closely with senior developers on code reviews and team-based development.

PROJECTS

SURE Store 

- Developed **ASP.NET Core** e-commerce REST API with 15+ endpoints using layered architecture pattern.
- Implemented **JWT** authentication with role-based authorization and dependency injection container.
- Built service layer with **repository pattern** for product management, cart operations, and order processing.
- Designed Entity Framework Core data layer with SQL Server and complex entity relationships.
- Collaborated with 4-member team to deliver full-stack solution with **Angular** frontend integration.

PlayHub 

- Built **ASP.NET Core** game manager with CRUD operations, file uploads, and category organization.
- Implemented **three-tier architecture** with service layer abstraction and dependency injection.

Ecommerce Website 

- Built a fully functional e-commerce platform using **ASP.NET Core MVC**, Entity Framework, and C#.
- Delivered responsive interface using customized Bootstrap components.

Distributed Online Grocery Store System

- Designed and implemented a complete distributed e-commerce solution using Java RMI for inter-process communication with MongoDB Atlas cloud database.
- Engineered a scalable payment processing system applying the **Strategy pattern**, supporting multiple payment methods.
- Developed a multi-warehouse inventory management system with distributed warehouse entities and item-to-warehouse associations.
- Implemented data persistence layer following **Data Mapper pattern** to reduce database coupling and improve maintainability.
- Applied **State pattern** for order lifecycle management.
- Collaborated in a 3-member team to design optimal class relationships using UML.

Spotify-like Music Streaming Server

- Developed a **REST API** with 20+ endpoints for user authentication, music streaming, and playlists.
- Implemented **JWT**-based authentication with role-based authorization (admin, artist, premium users).
- Built file upload system for audio content with streaming capabilities.
- Designed MongoDB schemas with complex relationships for users, songs, and playlists.
- Integrated Google OAuth for third-party authentication.
- Managed a team of 4 members to deliver the project successfully.

Hack Runner 2D Game

- Developed a 2D game using Unity and C# scripting.
- Implemented core gameplay mechanics including character movement and physics interactions.

Arabic Sign Language Recognition using Deep Learning

- Developed LSTM, 1DCNN, and Hybrid 1DCNN+LSTM models using the KArSL dataset.
- Achieved 91% training accuracy (LSTM) and 85.6% testing accuracy.
- Surpassed previous highest accuracy score of 71% by 20.6%.
- Pre-processed 100+ RGB videos using MediaPipe pose estimation (75+ keypoints/frame).
- Trained models on 100 dynamic signs, improving accuracy by 14.6% vs baselines.

CERTIFICATIONS

- Developing Web Applications using PHP, ITI, February 2022
- Introduction to Cloud Computing, IBM, July 2022

ACTIVITIES

Member of the PR team at BUE Magazine (official magazine of The British University in Egypt)

- Collaborated with PR and sales managers, as well as startup owners, to secure sponsorships and funding for events and marketed sponsors' products across the university.