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Education

2021 – 2025

Bachelor's Degree in Computer Science

Faculty of Computer Science Damietta University

GPA: 3.67

Training

Information Technology Institute (ITI) 150hrs July-2024


- **SQL Database Management:** Skilled in querying, managing, and optimizing databases.
- **LINQ:** Efficient in querying and manipulating data collections in .NET.
- **Web Application Development:** Knowledgeable in ASP.NET Core architecture.
- **ASP.NET Core MVC:** Experienced with MVC for scalable applications.
- **Application Lifecycle:** Understanding of ASP.NET request-to-response workflow.
- **Razor View:** Dynamic content generation for responsive UIs.
- **Action Handling:** Proficient in controlling responses with Action Results & Selectors.
- **Model Binding:** Efficiently binds HTTP requests to actions.
- **Data Transfer:** Utilizes ViewBag, ViewData, Model, and ViewModel.
- **Data Validation:** Skills in server and client-side validation.
- **State Management:** Manages sessions, cookies, and query strings.
- **Dependency Injection:** Implements DI for modular, testable code.
- **Middleware:** Creates custom middleware in ASP.NET Core.
- **Razor Pages:** Develops page-centric web applications.
- **ASP.NET Core Identity:** Trained in secure authentication and authorization.

Digital Egypt Pioneers Initiative DEPI

- **Prompt Engineering:** Enhanced problem-solving through AI-driven techniques and strategies.
- **Introduction to SQL Server Programming**
- **Getting Started with Git and GitHub**
- **C# Programming:** Strong foundation in object-oriented programming and .NET-based development.
- **Front-End Development:** Skilled in creating responsive and interactive UIs using HTML5, JavaScript, and CSS3.
- **.NET Core Web API:** Experienced in building scalable RESTful APIs for modern applications.
- **ASP.NET Core MVC:** Proficient in developing robust, maintainable, and scalable MVC-based applications.
- **Unit Testing**
- **Capstone Project Development:** Applied technical skills to design and develop a full-stack .NET application.

Projects

MediPlus (.Net MVC Core)

- **Description:** Mediplus is a Hospital Management System (HMS) that automates the hospital's operations, helping manage patient appointments, medical records, departments, and staff efficiently. It streamlines the workflow from patient registration to discharge.
- **Tools & Technologies:** C#, Database MS SQL Server, LINQ, Entity Framework Core, HTML5, CSS3, JavaScript, Bootstrap, jQuery ASP.NET MVC Core, Razor Pages, Fluent API, AutoMapper
- **GitHub Link:** MediPlus-System 

Lazza Opal E-Commerce (.Net Web API Core) [↗](#)

- **Description:** Built a comprehensive API for an e-commerce application, supporting user authentication, product management, cart operations, orders, payments, wishlist, favorites, and reviews.
- **Tools & Technologies:** ASP.NET Core, Entity Framework Core, SQL Server, Postman.
- **GitHub Link:** [Lazza ecommerce API](#) [↗](#)

R.Store (.Net MVC Core) [↗](#)

- **Description:** An e-commerce website that allows users to browse and purchase items across various categories. The application includes features like user authentication, product management, and a shopping cart system.
- **Tools & Technologies:** C#, MS SQL Server, HTML5, CSS3, JavaScript, Bootstrap, ASP.NET MVC Core, LINQ, EF Core.
- **GitHub Link:** [R.Store](#) [↗](#)

Job Offers Management System(.Net MVC Core)

- **Description:** A web application designed to streamline job management, categorization, and user authentication. It includes modules for accounts, job categories, job listings, and role-based access control.
- **Tools & Technologies:** C#, MS SQL Server, HTML5, CSS3, JavaScript, Bootstrap, ASP.Net MVC Core, LINQ, EF Core.
- **GitHub Link :** [Job Offers Management System](#) [↗](#)

Online Store API (.Net Web API Core)

- **Description:** A fully-featured online store RESTFUL API built with ASP.NET Web API.
- This project includes product, category, and user management, along with advanced functionalities like order management, shopping cart system, wishlist feature, payment integration, and a notification system.
- Additional features include search and filtering for products, role-based authorization (Admin & User).
- **Tools & Technologies:** C#, ASP.NET Web API Core, MS SQL Server, Entity Framework Core, JWT Authentication, LINQ, Git & GitHub.
- **GitHub Link:** [Online Store API](#) [↗](#)

El-Fayrouz (.Net MVC Core) [↗](#)

- **Description:** A web application for a shop selling sweets, pastries, pies, and biscuits for a place named Al-Fayrouz. Features include a dynamic homepage, a detailed recipe page with user authorization for orders, a comprehensive menu, and an admin action page for CRUD operations. The application also includes a favorite button feature for managing cart items.
- **Tools & Technologies:** C#, MS SQL Server, HTML5, CSS3, JavaScript, Bootstrap, ASP.NET MVC Core, LINQ, EF Core, Git & GitHub.
- **Teamwork:** Collaborated with college fellows.
- **GitHub Link:** [El-Fayrouz](#) [↗](#)

Skills

Technical Skills: HTML5 | CSS3 | C++ | LINQ | GitHub | JavaScript | C# | ASP.NET MVC Core | Entity Framework | MS SQL server | MongoDB | ADO.Net | Database Design | API | SignalR

Certificates

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| - 2023 ECPC Egyptian Collegiate Programming Contest ↗ | - Microsoft C# Foundational ↗ |
| - Udacity introduction to web development ↗ | - SkillsBuild Digital Training Program Web Development Track ↗ |
| - ITI Web Development using .NET ↗ | - Digital Egypt Pioneers Program ↗ |