

Omar Hisham Abdallah

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Summary

I am a computer science student with hands-on experience building full-stack projects using ASP.NET Core and Angular. I write clean code following good design practices and have a basic understanding of machine learning as part of my AI studies. I also understand software engineering fundamentals and system design, and I like to think about problems from an engineering perspective.

I am excited to apply for a technical internship to grow as a software engineer and work on innovative technology that makes an impact.

Education

Bachelor of Computer Science

2022 – 2026 (Expected)

Cairo University, Faculty of Computers and Artificial Intelligence

GPA: 3.6 / 4.0

Skills

• C++ • C# • Python • HTML • CSS • Bootstrap • JavaScript • ASP.NET Core • Angular
• Entity Framework Core • Git • GitHub • MS SQL Server • PostgreSQL • SOLID Principles •
Clean Architecture • REST APIs • Design Patterns • Machine Learning • System Design Concepts
• Data Structures • Problem Solving • Computer Networks • Operating Systems

Soft Skills

Teamwork, Communication, Problem-Solving, Responsibility

Projects

Frsh Cart – E-Commerce Frontend Web App

Angular, TypeScript, RxJS, HTML, SCSS

- Developed a full single-page e-commerce frontend with responsive design.
- Implemented product search, filtering, brand and category listings, shopping cart, and wishlist features.
- Built a complete checkout flow with payment integration using Stripe API.
- Enabled order placement and product addition to wishlist with dynamic UI feedback.
- Applied Angular concepts like services, guards, routing, and reactive forms.
- Used Clean Architecture for modular and maintainable code structure.

GitHub: github.com/Oh011/E-commerce

Live Demo: oh011.github.io/E-commerce/

E-Commerce Backend API

ASP.NET Core, Entity Framework Core, SQL Server, API, Redis

- Designed and implemented a RESTful API for an e-commerce platform using Onion Architecture.
- Built modules for authentication (JWT), product catalog, shopping basket, order processing, and Stripe-based payment integration.
- Applied the Specification Design Pattern for clean and flexible querying logic.
- Implemented pagination for product listings and used Redis for caching product data to improve response time.

- Used Redis to persist and manage user shopping baskets across sessions.
- Implemented global error handling middleware for consistent and robust API responses.
- Secured endpoints with role-based access control and JWT token authentication.

GitHub: github.com/Oh011/Api-Ecommerce

Task Management System *ASP.NET Core, JWT, Google Sign-In, Role-Based Access Control, Background Services*

- Implemented secure authentication flows including login, logout, refresh tokens, password reset, and email confirmation.
- Integrated Google Sign-In for seamless external OAuth login.
- Developed project and task CRUD operations with task assignment, status updates, and invitation management (accept/reject).
- Enabled role-based access control to manage user permissions within projects dynamically.
- Built user profile management features including profile image uploads.
- Created project dashboards for monitoring progress and task status.
- Used background services to handle long-running operations, improving scalability and responsiveness.

GitHub: github.com/Oh011/Task-Management-System

Courses

Full-Stack Web Development with Angular and .NET Core

Route Academy, Apr 2025

Languages

Arabic – Native

English – Intermediate (B1)