Mahmoud Mohammed Abdelkader

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Profile

Software Engineer with .NET experience, graduated from ITI Intensive Code Camp Full Stack Web Development Using .NET. Committed building scalable solutions. Quick learner with strong problem-solving skills and a forward-thinking mindset. Skilled in front-end and back-end development.

Internships

Information Technology Institute (ITI)   Nov 2024 – Present
Full Stack .NET Development Track   Beni Suef, Egypt

- **Educational Platform** | (Graduation Project) | ASP.NET Core MVC, Angular, API
  * Developed comprehensive LMS with course/lesson/revision modules using clean architecture
  * Implemented relational database design with optimized LINQ queries (30% faster data retrieval)
  * Integrated Angular frontend with RESTful API backend using JWT authentication ⬤ View Source
- **Staff Management System** | ASP.NET Core
  * Built HR management system with RBAC (Admin/Manager/Employee roles)
  * Automated attendance tracking reducing manual processing time by 40%
  * Developed reporting module with PDF export using Rotativa ⬤ View Source
- **Examination System** | SQL Server
  * Designed normalized database schema supporting 100+ concurrent exam sessions
  * Implemented automated grading system with plagiarism detection features
  * Developed secure API endpoints with role-based access control ⬤ View Source
- **E-Commerce Platform** | Angular 15, TypeScript
  * Created responsive SPA with product catalog (100+ items with faceted search)
  * Implemented cart functionality with local storage persistence and checkout flow
  * Integrated with payment gateway (Stripe API) for secure transactions ⬤ View Source

Education

Fayoum University   2018 – 2022
Bachelor of Science in Computer Science | GPA: (71%)   Fayoum, Egypt

- **Graduation Project (Grade: 90%)**:
  * Developed a image classification model to predict mood disorders (stress, depression, and anxiety)

Work Experience

Admedia Consulting   Aug 2024 – Nov 2024
Email Marketing Specialist   Cairo, Egypt

Technical Skills

Programming Languages: C#, C++, JavaScript/TypeScript, SQL

Web Development: HTML5, CSS3, Angular, ASP.NET Core, MVC, Web API

Databases: Entity Framework Core, SQL Server, Database Design

Development Tools: Visual Studio, Git, GitHub, LINQ, WinForms

Concepts: OOP, SOLID Principles, Design Patterns, Algorithms

Additional Information

Military Service   Jun 2023 – Jun 2024
Completed National Service   Egypt