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EDUCATION

Beni Suef, Egypt	Beni Suef University	Sep 2018 – July 2022

- **Major**: B.Sc. in Computer Science, Faculty of Computers & Artificial Intelligence.
- **In-major GPA:** 3.30.
- **Graduation Project:** ASAR (Arabic Manuscript Analysis and Recognition system) is an intelligent system that provides digitizing services for historical Arabic manuscripts images by converting the complex Arabic text images to digital text by using **word spotting** and **pattern recognition** techniques. (https://github.com/space-codes/asar.core)

PROFESSIONAL WORK EXPERIENCE

Software Engineer	SilverKey Technologies	Oct 2021 – Present

- Develop and build large-scale web applications using C#, Dotnet Core, Blazor, Vuejs, PostgreSQL, and WCF SOAP.
- Work on many governmental and private business projects for different sectors.
- Analyze business requirements for different projects.
- Implement complex business solutions with modular system architectures.
- Research new technologies that solve business needs.
- Work on phase 2 of developing a monitor digital system for the Ministry of Education and Technical Education (**MoETE**) and in partnership with **GIZ.**

Software Engineer, Intern	SilverKey Technologies	Jul 2021 – Oct 2021

- Built a Pizza ordering App for training on new .NET tools such as C# 10, ASP.NET Core 6.0, Minimal APIs.
- Research new technologies such as LLBLGen ORM, Vuejs, FluentMigrator, PosgreSQL, MediatR and CQRS Pattern.
- Worked on developing new features, debugging, and fixing bugs for the employment system called **Labour Market Access (LMAP)** in partnership with **GIZ.**
- Learned about the software quality, development model, and database design.

PERSONAL PROJECTS

Listify	https://github.com/aboelkassem/Listify	Aug 2020 – Oct 2020

- Build a real-time web app that allows users to share their favorite music with other online people.
- Developed a streaming experience and currency system that make the platform interactive.
- Implemented Youtube API and Spotify API for requesting songs and playlists in the platform.
- Added Payment Integration with PayPal Gateway API and profanity filter with PurgoMalum API.
- Integrated IdentityServer4 framework allowing users to authenticate with multiple ways.
- Tools used: ASP.NET Core 3.1, Angular 10, SignalR, EF Core, IdentityServer4, SQL Server, AutoMapper.

Chatting App	https://chatting.aboelkassem.me	Feb 2020 – Mar 2020

- Created an app that enables users to follow and message each other by displaying and editing their profiles.
- Designed RESTful backend server using ASP.NET Core 3.1 and frontend using Angular 9.
- Incorporated Cloudinary technology in the backend to handle the uploaded members' photos.
- Tools used: ASP.NET Core 3.1, Angular 9, EF Core, SQLlite, Heroku, Postman.

Foods	https://foods.aboelkassem.me	Dec 2019 – Jan 2020

- Designed and developed a restaurant management system that allows users for ordering foods online.
- Implemented an admin panel for managing orders in different roles by ASP.NET Core MVC.
- Integrated Stripe Payment Gateway and SendGrid into the system for notifying users of order status.
- Added JavaScript libraries for good looking UI like Datatable.js, timepicker.js, sweetalert.js and fontawesome.
- Tools used: ASP.NET Core MVC 3.0, SQL Server, EF Core, jQuery, Bootstrap 4, AJAX.

Library http://library.somee.com **Jul 2019 – Sep 2019**

- Build a full-stack web app that allows users to upload, download and browsing books.
- Implemented auto-complete typing to search in available books and writing comments.
- Tools used: ASP.NET MVC, SQL Server, Entity Framework, Ajax.

SKILLS

- **Programming Language** (Proficient): C#, Python, Java, TypeScript, JavaScript, HTML   (Familiar): C++, PHP, CSS.
- **Web Development Skills:** ASP.NET Core, ASP.NET MVC, Web APIs, Flask, Vuejs, Blazor, Angular, Entity Framework Core, LLBLGen ORM, SignalR, WCF, Bootstrap, JQuery, Git, XUnit, Docker.
- **Databases:** Microsoft SQL Server, PosgreSQL, MySQL.
- **General Concepts:** Object Oriented Design and Analysis, Problem Solving, Algorithms, Data Structure, Solid Principles, Design Patterns, Database and System Design, Web Services, Unit Testing, Agile Methodology.
- **Development Tool:** Can adapt to any editors/OSs, usually use Visual Studio 2022, Visual Studio Code, and Postman under Windows.
- **Machine Learning Skills:** Tensorflow, Keras, Classical Machine Learning algorithms, and Computer Vision
- **Other Skills:** Good technical writing and communication skills, Self-Motivation, Perfect ability to meet deadlines.

LANGUAGES

- Arabic (Native)
- English (Excellent)