

Ibrahim Ahmed Ibrahim

.NET developer, EG

+20 01008520964 | ibrhmahmd743@gmail.com | [Home](#) | [GitHub](#) | [LinkedIn](#)

Summary

Pursuing a Computer Science major at the Faculty of Computers and Information. Acquired strong problem-solving skills developed through hands-on experience in diverse projects. I thrive in collaborative team environments and excel in leveraging Microsoft technologies, including .NET Core, ASP.NET Core, MVC, REST API, and SQL Server. Recently, I have been working on integrating the Ollama API to include the Llama2 LLM in my projects, enhancing the capabilities of my applications with advanced language models.

Skills

Languages	Python (NumPy, Scikit-learn, Tkinter, TensorFlow), C#, C++, HTML/CSS, SQL.
Technologies	C#, .Net Framework, ASP, Entity Framework, LINQ, MVC, RESTFul API, LLM integration, Fine Tuning.
Developer Tools	Git, Github, JetBrains IDEs, MS SQL Server, PostMan, SwaggerUI, Visual Studio, OLLama LLMs.
Concepts	OOP, SOLID Principles, Data structure , Algorithms, Design patterns, Database design, Integration
Software Engineering	Agile Methodologies, Version Control Systems, Software Development Lifecycle, Testing and Debugging, N-Tier Architecture,
Soft Skills	Troubleshooting, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Projects

Estate Agent

Real Estate Property Management System built with ASP.NET Core. It provides functionality for managing properties, users, contracts, payments, and projects.

DEPI

SEPT 2024

- Development: follows a layered architecture with distinct Presentation, Business, and Data Access layers..
- Features: implements features such as property listing, user management, contract handling, and pagination for efficient data retrieval..
- Performance and Security: Prioritized fast, secure, reliable, scalable, maintainable, and user-friendly features for optimal UX and data protection
- Technical Skills:** C#, .NET Core, EF Core, Dependency Injection, Repository and Unit of Work patterns, Unit testing with MSTest, Identity framework, Git Commands.
- Soft Skills:** Teamwork, Leadership, Documentation, Debugging and resolving issues, Presentation skills

TensorFlow Flower Image Classifier

An image recognition model, Using TensorFlow and Keras, efficiently classifies flower images using data augmentation, to mitigate overfitting. It demonstrates iterative model improvement by training, testing.

University

MAY 2024

- Utilizes advanced deep learning methodologies to categorize flower images into distinct classes with high precision.
- Incorporates sophisticated techniques such as data augmentation and dropout to optimize model performance, ensuring robustness against overfitting and enhancing generalization capabilities.
- Employs a systematic approach to model refinement through iterative training, and parameter tuning, resulting in continual enhancement of classification accuracy and reliability.
- Technical Skills :** Python, TensorFlow and Keras, Data Preprocessing, Model Evaluation.
- Soft Skills:** R&D.

TETRIS

This project is a modern implementation of the classic Tetris game using WPF and C. It features smooth gameplay, intuitive controls, and a sleek user interface. Perfect for both nostalgic gamers and new players alike!

DEPI

July 2024

- Development: The project is a Tetris game developed using WPF.NET with C. It includes various classes for different Tetris blocks and game functionalities.
- Features: GameGrid.cs: Manages the Tetris game grid, including layout and cell states.
GameState.cs: Handles overall game state, score, level, active piece, and game logic.
Block.cs: Defines Tetris block properties, shape, rotation, and movement logic.
- Technical Skills:** C#, WPF.NET, OOP, Data Structures, Version Control "GIT"

Image Reproduction Using Genetic Algorithm

Uses a genetic algorithm to evolve an image over generations, aiming to closely reproduce a target image. It leverages the pygad library for algorithm operations, demonstrating the optimization of image reproduction through evolutionary processes.

July 2024

- Development: Developed customizable parameters for the genetic algorithm, allowing for easy adjustments.
- Achieved a 30 percent reduction in experiment setup time through the framework.
- Integrated a fitness function to assess image similarity.
- Developed a callback function to track progress during the algorithm's execution.
- **Technical Skills:** Python, pygad, gari, numpy, imageio, matplotlib

INhive : Trading

University

Aims to revolutionize investment accessibility by providing a platform equipped with real-time data, trading capabilities, educational resources, empowering informed decisions and navigate the financial markets with confidence.

OCT 2023

- Development: comprehensive to streamline investment, reduce costs, empower informed decision tools.
- Features: real-time monitoring, portfolio management, educational resources, investment simulator.
- Performance and Security: Prioritized fast, secure, reliable, scalable, maintainable, and user-friendly features for optimal UX and data protection
- **Technical Skills:** C#.NET, Windows Form UI, SQL Server
- **Soft Skills:** Teamwork, Time Management, Presentation skills

Work Experience

DEPI

Egypt

Backend Intern

may 2024

- Assisted in the development and maintenance of RESTful APIs using ASP.NET Core, ensuring robust functionality and integration with front-end systems
- Utilized Entity Framework Core to design and manage database schemas, write queries, and handle migrations to support dynamic data interactions
- Understanding of software development lifecycle and agile methodologies
- **Technical Skills:** C#, .NET Framework, Entity Framework, ASP.NET, MVC, REST API, SwaggerUI , GitHub.
- **Soft Skills:** Teamwork, Time Management, Adaptability, Communication, Presentation skills.

Freelancer

Egypt

Backend Developer

2024

- Creating awesome applications for customers.
- Developed Custom Solutions: Designed and developed .NET back-end solutions for various clients, including creating APIs, integrating with third-party services, and ensuring scalability and performance.
- Engaged directly with clients to understand their needs, provide technical advice, and deliver tailored solutions. Maintained regular updates and feedback loops to ensure client satisfaction
- **Technical Skills:** C#, .NET Framework, Entity Framework, ASP.NET, MVC, REST API, SwaggerUI , GitHub.
- **Soft Skills:** Teamwork, Time Management, Adaptability, Communication, Presentation skills.

Achievements

Mansora	Summer Training , ITI summer Training Program .Net web Developer Track	Jun-2024
	BootCamp , Participating at Digital Egypt Pioneers Initiative "DEPI for .NET web development rack	May 2024
	contest , Participated as a chess judge for university chess contest representing my student union social committee	2022
	BootCamp , NextCoders initiative studying Udacity's nano degree program	2019

Education

Kafr El-Sheikh University

Kafr El-Sheikh, EG

Faculty of Computer Science

2021 - 2025 Current

- Computer Science major
- **Courses:** Data structure/& Algorithms, Project management, Software Engineering, Web development, Information Systems, AI/& Machine Learning, Computer networks

DEPI

Hybrid

Digital Egypt Pioneers Initiative

May 2024

- Web Development .Net Track
- **Courses:** Web development, Database Managing, MS SQL Server, Advanced C, LinQ, Entity Framework, REST API, MVC, business English, Free-Lancing

Languages

ARABIC	Native proficiency
English	Professional proficiency

References available upon request.