

# Marwan Moataz

Computer Science — Full Stack ASP.NET Developer

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## Introduction

A passionate Full Stack ASP.NET Developer with a Bachelor's degree in Computer Science and ongoing Master's studies in the same field. With several years of freelance experience, I've developed a strong background in C#, ASP.NET MVC, and web development technologies. I'm skilled in full-stack development, including front-end tools like HTML, CSS, JavaScript, and back-end technologies such as .NET, SQL Server, and APIs. My experience also spans Python, machine learning, and image processing for more specialized tasks. I thrive on problem-solving, clean code, and building solutions that are both scalable and user-friendly. Currently, I'm focused on enhancing my expertise in software engineering through my Master's studies, while continuing to work on cutting-edge projects.

## Education

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|--|-----------------------------|
| <b>Egypt, Arab Academy for Science, Technology and Maritime Transport, Smart Village</b><br><i>BS in Computer Science</i>              | <i>Sept 2019 – Jul 2023</i> |
| ◦ GPA: Very Good with honors   |                             |
| <b>Egypt, Arab Academy for Science, Technology and Maritime Transport, Smart Village</b><br><i>Master's Degree in Computer Science</i> | <i>Feb 2024 – Present</i>   |

## Training & Certificates

- Fullstack ASP.net MVC from Microsoft:** HTML, CSS, Javascript, Asp.net, MVC, APIs  
**Fullstack ASP.NET from CLS** HTML, CSS, Javascript, Asp.net, MVC, APIs  
**Back end ASP.net MVC from ITI:** Asp.net, MVC, APIs  
**Flutter development from ITI:** Flutter, MVC

## Research Publications

- **Marwan Eldesouki**, Nahla Belal. *Multimedia Encryption Using Extended Playfair with Base64*. College of Computing and Information Technology, Arab Academy for Science, Technology and Maritime Transport, 2024. [\[GitHub Repository\]](#)

## Experience

- |   |                                       |
|---|---------------------------------------|
| <b>Freelance Software Developer</b><br><i>Backend C#.NET Desktop Application Developer — Khamsat</i>  | <i>remotely</i><br><i>2018 – 2020</i> |
| ◦ POS Systems <ul style="list-style-type: none"><li>– Lametna restaurant</li><li>– AlMawrdy Suits</li><li>– Technologies: C#, .NET, SQL Server, Entity Framework</li></ul>  |                                       |
| ◦ System management <ul style="list-style-type: none"><li>– Cinema System management</li><li>– Gym System management</li><li>– Movies library system management</li><li>– Technologies: C#, .NET, SQL Server, WPF, Windows Forms , Entity Framework</li></ul> |                                       |
| ◦ Automation bots <ul style="list-style-type: none"><li>– Social media email and username checker</li><li>– Udemy course discount checker</li><li>– Technologies: C#, .NET, SQL Server, Selenium</li></ul>  |                                       |
| <i>Fullstack ASP.NET Developer — Khamsat</i>  | <i>2024 – 2025</i>                    |
| ◦ System Management   |                                       |

- Movies Library System Management
- Books Library System Management
- License System Management
- Technologies: ASP.NET MVC, C#, SQL Server, Entity Framework, RESTful APIs

*Backend Python Developer — Khamsat*

*2021 – 2023*

- Machine Learning , Deep Learning Scripts
  - Collaborative game doodles recognizer [[GitHub Repository](#)] ↗
  - Custom object annotator and Classification
  - Security System Key generator [[GitHub Repository](#)] ↗
  - School Attendance registration using face recognition
  - Government Documents Classification [[GitHub Repository](#)] ↗
  - Breast Cancer Classification [[GitHub Repository](#)] ↗
  - Technologies: Python, TensorFlow, PyTorch, OpenCV, Scikit-learn, Pandas
- Automation bots , Web scraping scripts
  - Automated telegram bot sending free courses from Udemy
  - Snapchat Spotlight Videos Uploader
  - Technologies: Python, Selenium, BeautifulSoup, Telegram API

**internship Python Developer**

*Python Developer — HST*

*remotely*

*2024 – 2024*

- LLModel Chat bot using RAG to solve private idea for the company
- Telegram bot to make backup for custom channels
- Technologies: Python, LangChain, FAISS, Flask, Telegram API

## SKILLS

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**Technical Skills:**

- **Programming Languages:** C#, Python, Javascript
- **Technologies/Frameworks:**
  - ASP.NET , .NET CORE
  - Design Patterns,MVC
  - Microsoft SQL Server,MYSQL
  - JSON,XML
  - Github,GIT
  - TensorFlow,pyTorch
  - Tkinter
  - Numpy
  - Selenium
  - RestFull Api , Flask , Streamlit
- **Software Engineering Concepts:**
  - Data structures
  - Algorithms
  - Object Oriented Programming (OOP)
  - Problem Solving
  - Design Patterns
  - Databases

### **Soft Skills:**

- **Communication:** Explaining technical concepts to non-technical stakeholders, writing clear documentation, and articulating ideas in team meetings.
- **Teamwork/Collaboration:** Working effectively in Agile/Scrum teams, pair programming, and contributing to code reviews.
- **Problem-Solving & Critical Thinking**
- **Adaptability:** Learning new languages/frameworks, pivoting when project requirements change, and embracing feedback.
- **Time Management & Prioritization:** Balancing multiple tasks, meeting deadlines, and estimating project timelines.
- **Leadership :** Leading my college projects and always looking for good result to finish tasks.