

# Mohamed Osama Ali

## junior Software Engineer

📍 Egypt    ✉ moa.mohamedosama@gmail.com    ☎ 01098611813    in LinkedIn    🔗 Code Forces    🔗 Leet Code

### Education

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**South Valley University**, Computer Science

Oct. 2020 to June 2024

### Skills

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**BackEnd:** ASP .NET Rest API, ASP .NET MVC, EF, Linq, SQL, SOLID, AutoMapper, SignalR, Dealing with Files

**Version Control:** GitHub

**Python:** AI, Machine Learning

**other Languages:** C++, C, Java, JavaScript, R, HTML, CSS

### Projects

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#### ELearn (on Progress)

- My graduation project is an education platform divided into three subsystems: a Learning Management System (LMS), an online quizzes module, and a social media-like subsystem that includes a community forum and messaging features.
- As the Team Leader and Backend Developer, I coordinate sprints, distribute tasks, and fix backend bugs. My contributions include developing user authentication, the LMS module, and implementing real-time functionality using SignalR
- Key Technologies: ASP.NET Rest API, Clean Architecture, EF Core, linq, SQL, SOLID, SignalR.

#### 🔗 Meeting Management System

- The system is used to manage meetings and document every detail in a meeting report, making it easy to retrieve later. Its purpose is to serve as an electronic archive, reducing resource waste and saving time.
- My role involved working with the database, including creating the ERD, seeding the database, and implementing features such as voting and meeting creation.
- Key Technologies: ASP .NET MVC, EF Core, linq, SQL, SOLID

#### 🔗 Vigenère Cipher

- A web page designed to encrypt and decrypt messages using a secret key. The encryption and decryption processes utilize the Vigenère Cipher, developed as part of a cryptography project. Deployed To [GitHub Server](#)
- Key Technologies: HTML, CSS, Java Script

#### 🔗 Financial Sentiment Analysis

- a financial sentiment analysis project. This project was integrated with Flask to provide efficient web-based interface for analyzing financial sentiment.
- Key Technologies: Python, Flask, Natural Language Processing

### Awards

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🔗 12th place in ECPC Upper-Egypt Qualification 2022

🔗 Qualified in ECPC 2022

🔗 41st place in ECPC Upper-Egypt Qualification 2021

🔗 Udacity Web Development Challenger Track

## Achievements

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### **SVU ACPC Community**, Head Of training Committee

Nove. 2022 to Oct. 2023

- Coordinated all the trainings made by the SVU ACPC community during the 2022-2023 season that we successfully trained over 350 trainees in problem solving

### **SVU GDSC Community**, Core Team Member

Oct. 2021 to June 2022

- hosted a training session on Git and GitHub, and organized various other sessions.
- contributed to the training of over 150 students. My role involved planning and executing educational events, ensuring participants gained valuable skills in software development and version control.