

# MOHAMED WAEEL ELTEIR

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## Summary

Skilled software engineer with a passion for building scalable applications and clean, efficient code. Proficient in the .NET framework and multiple programming languages, with strong problem-solving abilities and experience delivering high-quality projects. Driven to keep up with industry trends and modern development practices.

## Education

### Alexandria University

September 2021 – May 2025

*Bachelor of Science in Computer Science*

*GPA: 3.52*

### Saint Marc College

May 2007 – August 2021

*Diploma*

*GPA: 2.83*

## Professional Training

### Coach Academy

April 2024 – October 2024

*Competitive Programming and Problem Solving*

- Participated in a 6-month training program focusing on competitive programming and problem-solving.
- Enhanced problem-solving skills and learned advanced algorithms and data structures.
- Achieved a 1100+ rating on Codeforces.

### Information Technology Institute (ITI)

August 2024 – September 2024

*Open Source Development track*

- Engaged in a 6-week training program centered on open-source development and software engineering principles.
- Developed a strong foundation in software engineering and open-source development.

## Relevant Coursework

- |                        |                       |                           |                         |
|------------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures      | • Algorithms Analysis | • Artificial Intelligence | • Systems Programming   |
| • Software Methodology | • Database Management | • Internet Technology     | • Computer Architecture |

## Technical Skills

**Languages:** C#, Java, C++, GO, Python, JavaScript, TypeScript, Julia

**Technologies/Frameworks:** ASP.NET, xUnit.NET, Jenkins, Jira, Docker, Git, GitHub, Postman

**Programming Concepts:** Object Oriented Design and Programming, Data Structures, Algorithms

**Database Management Systems:** MS SQL, MySQL

## Experience

### Upwork

August 2019 – March 2020

*Software Developer Freelancer*

*Remote*

- Designed and implemented 5 websites for 2 clients, which continue to be actively used.
- Assisted clients with enhancing their existing websites by integrating new features. Which resulted in a 20% increase in user engagement.
- Explored ways to improve development and visual design using HTML, JavaScript, and CSS.

## Projects

### University Grades Notifier API | .NET

June 2024

- Engineered an API to authenticate with the university's portal, retrieve grade data, and dispatch push notifications upon the release of new grades.

### Mini Search Engine | Python | 📁 GitHub

April 2024


- Created a basic search engine capable of processing and ranking documents based on relevance metrics such as Cosine-Similarity, Jaccard-Similarity, and others.
- Enhanced the search engine's responsiveness and accuracy by implementing Likelihood Models, which improved the quality of search results by 2.5 times.

### Turing Machine Simulator | C++ | 📁 GitHub

October 2023

- Created a console-based Turing Machine simulator for a Theory of Computation course, accurately emulating the behavior of a real Turing Machine. Written in C++, the simulator's performance was optimized by 30% through the use of efficient algorithms.

Achievements

Egyptian Collegiate Programming Contest (ECPC) | 

2023, 2024

Contestant

- Twice finalist in regional qualifications contests, solving a wide range of complex algorithmic challenges. With the highest rank of 53rd in the 2024 contest.

Meta Hacker Cup | 

2024

Contestant

- Progressed to the first round of the competition, competing against the top 25,000 participants worldwide.

IEEE AlexSB

2024

Contestant

- Participated in the IEEE AlexSB Programming Contest, solving a series of algorithmic challenges in a timed environment.

Volunteer Experience

HackerRank Campus Club, AUFS

January 2024 – October 2024

Head of the Backend track

Alexandria University

- Served as the head and instructor for the back-end track, utilizing the .NET framework to teach and mentor students.
- Led a highly productive team that successfully completed multiple projects and significantly improved post-campus performance.
- Managed the executive board of 5 members, conducting weekly meetings to monitor and drive progress in key areas.
- Directed a chapter of over 20 members, focusing on community service, teamwork, creativity, academic excellence, and mentorship.