

# MOHAMED WAEEL ELTEIR

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## Summary

Enthusiastic software engineer with a deep passion for software development and a strong foundation in various programming languages. Equipped with knowledge in the .NET framework for building efficient and scalable applications as well as experienced in crafting clean code for efficient problem-solving.

## 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 intensive training program focusing on competitive programming and problem-solving.
- Enhanced problem-solving skills and learned advanced algorithms and data structures.
- Developed a strong foundation in competitive programming and problem-solving techniques.

### Information Technology Institute (ITI)

August 2024 – September 2024

*Open Source Development*

- Participated in a 6-week training program focusing on open-source development and software engineering.
- 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, Jenkins, Jira, Docker, Git, GitHub, Postman, Express on NodeJS

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

**Database Management:** MS SQL, MySQL

## Experience

### Upwork

August 2019 – March 2020

*Software Developer Freelancer*

*Remote*

- Developed several websites for many clients that are being used till today.
- Assisted some of the clients with their existing websites and integrated some new features.
- Explored ways to visualize and enhancing my development with HTML, JavaScript, and CSS.

## Projects

### University Grades Notifier API | .NET

June 2024

- Developed an API that logs to my university's portal, fetches all grades and sends them in a push notification only if any grade has been revealed.

### 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.
- Implemented Likelihood Models to enhance the engine's responsiveness and accuracy.

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

October 2023

- Designed a console-based Turing Machine for my Theory of Computations course that behaves exactly like the actual machine.

Achievements

Egyptian Collegiate Programming Contest (ECPC) | 

2023, 2024

Contestant

- Competed in the prestigious ICPC, enhancing problem-solving skills and algorithmic thinking.
- Twice finalist in regional qualifications contests, solving a wide range of complex algorithmic challenges.

Meta Hacker Cup | 

2024

Contestant

- Participated in the Meta Hacker Cup, solving a series of algorithmic challenges in a timed environment.
- Progressed to the first round of the competition, solving a wide range of algorithmic challenges.

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.

White Virus

March 2023 – August 2023

Vice Head of IT Track

Alexandria University

- Served as the vice head of the IT track, focusing on software development and problem-solving.
- Led to the successful completion of multiple projects that significantly improved the club’s performance.