

# Mohamed Mahran

## Computer Science Engineer

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## PROFILE

Motivated Computer Science Engineering student with a strong foundation in coding and problem-solving. Seeking practical experience to contribute to real-world projects. Passionate about staying updated with emerging technologies.

## WORK EXPERIENCE

- Enppi Engineering Co.** 08/2023 – 09/2023  
*Software Engineer Intern*  
Cairo, Egypt  
I actively participated in team meetings, brainstorming sessions, and agile development processes. I have used various programming languages and technologies, such as Java, Python, and JavaScript
- Agiba Petroleum Co.** 08/2022 – 09/2022  
*Backend Intern*  
Cairo, Egypt  
I had hands-on experience with SQL database, ASP.NET, and the .NET Framework. I have developed robust backend solutions, designed databases, and built RESTful APIs.

## EDUCATION

- German University in Cairo** 10/2020 – 06/2025  
*Media Engineering Technology (MET)*  
Cairo, Egypt  
Faculty of Computer Science and Engineering
- The Egyptian American International School** 09/2014 – 06/2020  
American Diploma  
Cairo, Egypt

## SKILLS

- Java
- JavaScript
- Android Studio
- Python
- NodeJS
- Problem Solving
- C#
- Prolog
- Unit Testing
- SQL Database
- Haskell
- MongoDB

## PROJECTS

- Database Engine** 03/2023 – 06/2023  
*Java*
  - Database engine with support for Octrees Indices
  - Designed for the CSEN604 course at the GUC
- Online Banking System** 03/2023 – 06/2023  
*Software Engineering Principles · HTML · CSS*
  - Online banking system website
  - Developed as part of the CSEN603 course at the GUC
  - Used design patters, erd, schema, class diagram, and component diagram
- Football Reservation System** 10/2022 – 02/2023  
*SQL · Microsoft SQL Server · ASP.NET · C#*
  - Project for CSEN501 course
  - Designing a database for a football reservation system
  - Developing a user-friendly website with all required reservation functionalities using erd, schema, sql server, ASP.net framework, and C#

**Library Website**

10/2022 – 02/2023

*Embedded JavaScript (EJS) · Node.js*

- Library navigating website developed for CSEN503 course

**Marvel Ultimate War**

03/2022 – 06/2022

*Object-Oriented Programming (OOP) · Java*

- A Marvel themed game created using Java/Java FX for the CSEN401 Course in the GUC.

**Minesweeper**

03/2022 – 06/2022

*Functional Programming · Haskell*

- AI module developed for CSEN403 course
- Designed for a minesweeper robot

**Pro-Wordle**

03/2022 – 06/2022

*Logical Programming · Prolog*

- A modified version of the game Wordle for the CSEN403 course at the GUC.

## COURSES

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**Data Structure and Algorithms****NodeJS, Express, and MongoDB**

offered by Udemy

**Digital Marketing**

offered by Google

## LANGUAGES

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• English

• Arabic

• German

## EXTRACURRICULAR ACTIVITIES

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**AIESEC**

02/2021 – 10/2021

*Outgoing Global Volunteer Member*

Cairo, Egypt

- I was responsible for creating local strategies on converting opens to applicants, applicants to accepted and accepted to approved.
- Decrease the process time at the local level between the customer flow stages.

**Semester abroad at the German International University in Berlin**

10/2022 – 02/2023

*Computer Science Engineer Student*

Berlin, Germany

It offered me a blend of academic growth, cultural immersion, and personal development. It is an experience that broadened my global perspective, foster independence, and created lifelong connections.

**Gorillas**

2022 – 2023

*E-Bike Rider*

Berlin, Germany

**Flink**

2022 – 2023

*E-Bike Rider*

Berlin, Germany

**Gorillas**

2022 – 2023

*E-Bike Rider*

Berlin, Germany

**MAYD**

2022 – 2023

*Driver*

Berlin, Germany

**United Parcel Service (UPS)**

2022 – 2023

*Warehouse Worker - Package Handler*

Berlin, Germany

**REWE**

2022 – 2023

*Truck Driver*

Berlin, German

**ZARA**

2022 – 2023

*Employee*

Berlin, Germany