

# Mahmoud Mohamed Mahmoud

## Software Engineer

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### EDUCATION

**Master's Degree in Computer Science**, Assiut University 2025 – present | Assiut, Egypt

**Full Stack Web Development using MEARN 4 months Diploma**, ITI 12/2024 – 05/2025 | Qena, Egypt

**Bachelor of Computers and Information**, South Valley University 2020 – 2024 | Qena, Egypt

Computer Science Department

Cumulative GPA: 3.06/4.0 (B+)

### PROFESSIONAL EXPERIENCES

**Coach for Freelancing in Software Development**, EYouth 10/2024 – 04/2025

Project-Based Role | Digital Egypt Pioneers Initiative (DEPI)

Provided guidance on freelancing skills, client engagement, and portfolio building to assist participants in obtaining software development opportunities.

**Freelancing Project**, Mostaqil ☑ 11/2024 – 01/2025

Developed a web application for small businesses to manage services, employees, and bookings, including client facing pages to reserve time slots, waiting lists, and viewing available time slots for services. Built with Angular, .NET, and MS SQL Server.

**Freelancing Project**, Mostaqil ☑ 09/2024

Analyzed a mobile app idea, prepared a clear Software Requirements Specification (SRS) document, and designed user-friendly UX layouts.

**Web Development Internship**, netarabia ☑ 08/2022 – 09/2022

Included : Introduction to web development, HTML, CSS, Javascript, Wordpress.

### PROFESSIONAL TRAININGS

**Front End Development Summer Training**, ITI ☑ 08/2023 – 09/2023

included : HTML5, CSS3, RWD ( Responsive Web Design), Bootstrap5, Javascript, Es.Next, Typescript, Angular Fundamentals.

**HCIA-AI (Artificial Intelligence ) Certificate**, HUAWEI ☑ 11/2022

Included : Introduction to AI, Machine Learning, Machine Learning Algorithms, Deep Learning, Neural Networks.

**Artificial Intelligence Summer Training**, NTI ☑ 08/2021 – 09/2021

Included : Introduction to AI, Machine Learning, Machine Learning Algorithms, Deep Learning, Neural Networks, Python, Communication Skills, Interview Skills, Presentation Skills, Leadership Skills, Soft Skills and Problem Solving Skills, Introduction To Information Security and Privacy.

### SKILLS

**Concepts:** OOP, Data Structure, Algorithms, Design Pattern

**Software Engineering:** SW Life Cycle, Different types of diagrams : Use Case, FlowChart, DFD, Context, Activity, Sequence

**Front End Development:** HTML5, CSS3, Responsive Web Design, Bootstrap5, SASS, Javascript, ES6, Es.Next, Typescript, Angular

**Database:** MS SQL Server, Mongo DB

**UI/UX Design:** Figma

**Languages:** C, C++, Javascript, Python

**Unit Testing:** Jasmine

**Version Control:** Git, GitHub

## PROJECTS

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### University Campus Housing Management System, Graduation Project

2023 – 2024

- A University Campus Accommodation Management System is created to address common challenges faced by universities in managing student housing, such as housing applications management, room selection, availability tracking, violations management, infrastructure management and system settings and administrative reporting. The system aims to provide a seamless and efficient solution for both students and administrators.
- My Role: UI/UX Design and Front End Developer
- ( Figma, HTML5, CSS3, Bootstrap5, TypeScript, Angular Js, LINQ, Entity framework, Web Apl, SQL Server, Asp.Net Core )
- [Live Demo](#) , [Video](#)

### Youtube Playlist Downloader Website

07/2024

- YouTube Playlist Downloader website is created to solve youtube playlist download issues which allow user to send playlist url and can fetch playlist content and display videos names and download playlist videos in one compressed file on device.
- ( HTML, CSS, Bootstrap5, JavaScript, Python, Flask API )
- [Github Link](#)

### Medium ( Articles Website )

10/2023

- Medium website is created as a simulate of the popular medium website for articles. which allow user to authenticate and create, read, update and delete articles and view profile and follow another writer.
- My Role: Front End Developer
- ( HTML, CSS3, Bootstrap5, Typescript, Angular Js, REST API, C#, ASP.Net Core, Web API Entity framework )
- [Live Demo](#) , [Github Link](#)

### E-Commerce Wesbiste

09/2023

- E-Commerce website is created to display all products to user and user can filter its based on categories, display each product details.
- ( HTML5, CSS3, Bootstrap5, Typescript, Angular Js )
- [Github Link](#)

### Online Food Orders Mobile Application UI/UX Design

08/2023

- Food Ordering Mobile App UI is designed to manage online food order which allow user to authenticate, manage profile and payment info, view available meals, view additions, view meals details, order and pay online.
- ( UI/UX Principles, Figma )
- [Design Link](#)

### Online Learning Management System

06/2023

- Online Learning Management System is created to provide a platform for teaching staff to view his courses and students enrolled in courses, create and delete materials. and allow student to view his courses, view and download material, view teaching staff and students for courses. and allow admin to manage courses, teaching staff and students on system.
- ( Requirement Analysis, Design, Implementation, Testing, Deploy, Figma, HTML, CSS, JS, Bootstrap, ASP.Net Core 6 )
- [Github Link](#)

### JavaScript Assignments Solutions

04/2023

- JS Assignments Solutions which are in Elzero Academy Website.
- [Github Link](#)

### Personality Detection Model

2022

- Personality Detection Model is created to detect personality type for user so website displays set of personal and situations questions. and allow user to give number in a specific range to each question. finally, model displays user personality type in website page.
- ( Machine Learning Algorithms, Data Analysis, HTML,CSS, JavaScript, Python, Flask API )
- [Github Link](#)

## VOLUNTEER EXPERIENCES

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### Head of HR Committee in ACPC SVU Community

11/2022 – 02/2023

### Head of IT sub Committee in HR Committee in the YLY Initiative

10/2022 – 02/2023

## REFERENCES

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**Randa Mohamed Abdelhameed**, Assistant Teacher, South Valley University  
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