

Mustafa Hussein Abd El Hamied

✉ Mostafa-hussien2010@hotmail.com
☎ (+2) 01002926130
📍 28 Hasan Hamid St, 10th
zone, Nasr city, Cairo, Egypt

PROFILE

Mustafa Hussein is a junior Software developer graduating from the faculty of computer science at Misr International University. Making my own projects either for freelancing or internships. Took an internship in Orange Operation Business Services in Network Security, Monitoring and Voice.

Objectives: Apply and enhance my academic background, skills, and career through working in creative and productive development team that aims to meet the company's and customers' requirements and satisfaction.

EXPERIENCE

Misr International University
October 2019 > January 2020

Teaching Assistant

TEDx MIU
October 2018 > July 2019

Information Technology Member

Orange OBS
July 2018 > August 2018

Customer Services and Operation Department

EDUCATION

University
2016 > 2020

Misr International University
Bachelor's Degree, Computer Science

High School Name
2009 > 2016

Cairo Manara School
High School Diploma

GRADUATION PROJECT

TrainIT: Detection and classification of wrong played strokes in table tennis.

Description: The main core of the project was to design and implement a full system to train the table tennis players and provide a full reporting system for the coach. The system is supported with an AR application and fusion between different sensors to achieve best accuracy.

1. Studied and analyzed the usage of different sensors such as IR depth camera etc.
2. Designed the user interface in a way to be acceptable in the player's environment and easy to be use.

3. Two phases started in parallel; *implementation* phase and the *testing* phase; mainly the unit testing.
4. Integration testing.

In parallel with all these phases, there were many deliverables:

- *Proposal Document.*
- *SRS (Software Requirements Specification).*
- *SDD (Software Design Description).*
- *Final Documentation with UML notation.*
- *Testing Report*

Tools: Microsoft Visual C#, Python, Android, MySQL, Firebase, Socket Programming and Api Programming, Design Patterns and Design Architectures.

Publications: Published 2 research papers, one at the 17th International Conference on Mobile Systems and Pervasive Computing (MobiSPC) Belgium and one at ANT conference -The 11th International Conference on Ambient Systems, Networks and Technologies- April 6 - 9, 2020, Warsaw, Poland.

ACHIEVEMENTS

- **X, O Game:**

Simple X, O game using C++, the game contains a single player mode and a multiplayer. The game has difficulty levels: Normal and Hard. The game shows the winner, the loser, and the draw.

- **Airline Ticketing System:**

Design the airline ticketing system to use in flights. The system includes the Following parts: Flight timetable, booking a flight, Reserving a seat.

- **Music Player:**

Design a Music Player with CLR and a C++ Double Linked List as its Data Structure. The program includes:
Add / Delete Song, Next / Previous Song, Repeat Song or the List.

- **Banking System:**

Design a full banking system using Java Language. The system includes the Following parts:
Covering all the Object-Oriented Programming principles. Using the Graphical User Interface. Covering all the bank operation from opening account to close it.

- **Nursery System:**

Design a custom nursery system using web development (html, php, java script, bootstrap, ajax, database,). The system provides information about the nursery and how to sign up your child and it helps the parents to keep up with their children and know how well they progress and notify them about any updates about the nursery or the child.

- **Smart Attendance:**

Design a system that help the student to be able to take their attendance in school or college without wasting any of their time or the lectures time by using their smart phones finger print or face ID and connect to the institution private network to identify and log them. The system provides some other functionality that helps the students like: Class Schedule, Notification before class start, Attendance Record, Notification if they are about to exceed the allowed absence rate.

- **Number Plate Recognition:**

Design a system or recognizing License Plate using image processing and object recognition.

- **Web application for life from water foundation:**

Design a full website and manageing system for the charity organization.

- **Share location android application:**

Software for sharing location with someone using google maps Api.

BACKGROUND SUMMARY

- Programming Concepts and Problem Solving.
- Database Fundamentals.
- Operating System and Distributed Operating System.
- Computer Organization and Architecture.
- Networks Fundamentals.
- Software Engineering.
- AI (Artificial Intelligence).
- Project Management

PROFESSIONAL SKILLS

- JAVA
- Android Studio
- OOP
- Design Architectures
- Design Patterns
- Data Structure
- Python
- C++
- C#
- GitHub
- MySQL
- PHP
- Microsoft Office

OTHER PROFESSIONAL SKILLS

- **Analytical Thinking and Problem Solving:**

System analysis and design with UML notations.
Efficiently and creatively analyzes and solves complex problems.
Identifies underlying or hidden problem and proactively works out a suitable solution.
Strategically analyzes the risks, benefits, and opportunities of various solutions.

- **Team Work:**

Participated in several team work projects.
Works effectively with people at all levels in the organization in order to achieve the required results.
Shares knowledge, responsibilities, and expertise with others easily and frequently.

- **Supervisory/Leadership Skills**

Been a team leader in several projects.
Properly aligns responsibilities and assign tasks to others.
Sets a vision for self and others that serve as a guide.
Manages own and others time efficiently, focusing on the things that are important.
Motivates others to achieve challenging results.

- **Communication Skills:**

Effectively conveys information to individuals or groups of varying education, culture, and experience levels.
Shares information and accepts feedback easily and in a timely manner.

LANGUAGES

<i>English</i>	<i>Fluent</i>
<i>Arabic</i>	<i>Native</i>

Contact Links

LinkedIn: <https://www.linkedin.com/in/mostafa-hussien-32b3b4145>

GitHub: <https://github.com/mostafahussien123>