


# Mohammad Mosleh Student

 <https://github.com/Mohammad Mosleh>

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## Profile

Third-year computer science student with a good background in Object-Oriented Programming (OOP), Data Structures, Algorithms, and Problem Solving. proficient in Java, with knowledge of Android and web development. devoted to advancing computer science knowledge and using technology to develop original solutions. good analytical and problem-solving skills, and the ability to work both independently and with others.

## Education

### **Bechelor of Computer Science , Birzeit University**

08/2020 – 08/2024 | Ramallah, Palestine

### ***Tawjihi , Alhashmeah School***

08/2018 – 07/2020

## Languages

- Arabic
- English

## Certificates

- Google Data Analytics
- Udacity (Python Backend)

## Skills

Data Structure • Algorithm Analysis • Java  
Database • Android • MVC • PHP  
Software Engineering • Web Development  
Python • Problem Solving • Scrum • C

## Awards

### **6th place in a competitive programming contest, Birzeit University**

I got the 6 the place among all other student in the same branch.

### **3st place in a Brain Battel ,Birzrit Universty CS-Club**

Among all student in same Batch

## Projects

### **Coin-Game Dynamic**

Java | Java FX | Animation

A game based on dynamic programming, some animation was used, and a two-dimensional matrix;

- The principle of the game is to come out with the largest gain so that the game takes turns with the computer (Min-Max algorithm)

### **A\* Algorithim**

Java | Java - FX

A program to find the best path based on specific preferences, and we have used the shortest path in this program.

- It is an improved algorithm from Dijkstra that depends on  $g(n)$ , and  $h(n)$  so that it gives you the link between knowing that you are approaching the target and that you are taking the shortest path.
- A line is drawn with the full correct path and a distance is given based on real coordinates from the city of Ramallah

### **Medical System**

Java | My SQL | Scene Builder

complete program for a health clinic containing many employees and patients.

- The program contains many queries that give specific statistics.
- Very mentanble and reusable program, with no robustness.

### **Huffman-code**

Java | Java FX

- A program or algorithm used to compress files and images... It depends on the number of frequence per bit.
- It works that as the number of frequence increases, it gives fewer bits to represent it than normal.
- At the end it gives a table of the new and real instance of each byte.