**Mohamed sherif Mohamed abd el-hamid**

Manial st, cairo

01117858476

[**mohamedaherif763@gmail.com**](mailto:mohamedsherif763@gmail.com)

[**https://github.com/mohamed7632**](https://github.com/mohamed7632)

[**https://www.linkedin.com/in/mohamed-sherif-961482175/**](https://www.linkedin.com/in/mohamed-sherif-961482175/)

# EDUCATION BACKGROUND

Level three, Faculty of Computers and Information, Cairo University.

Grade: First Year ,Second Year– Good

# EXTRACURRICULAR ACTIVITES

Former Participant at 180 Daraga – Cairo University (2017).

Former Participant at Fekra – Cairo University (2018).

Former Participant at Ieee-Cairo Univeristy(2019).

# PROJECTS

## **Social media**

### **Software engineering I**

The purpose of this project is to develop back-end API for social network

Some thing like facebook API using Java programing language

This API manage interaction between users,create and manage groups and pages,manage posts and

Coments and hashtags

Also in this project w use githup as a collaporating tool with the team mate.

## **Java Synchronization**

### **Operating System I**

It is a simulation to a router using Java programing language

A limited number of devices connected to a router’s Wi-Fi using Java threading and semaphore. Routers can be designed to limit the number of open connections. For example, a Router may wish to have only N connections at any point in time. As soon as N connections are made, the Router will not accept other incoming connection until an existing connection is released

## **Crud system**

An articles website in which normal user can watch articles inserted by Admin

Only Admins can insert and update and delete articles using html ,css ,bootstrab,java script,php,mysql

## **Bank system**

### The project was made with C++ using the concepts of OOP .

A bank system that creates two types of accounts (basic or saving),

User can deposit or withdraw money, Can display the users data,

There is some constraint on the account like minimum balance and others **.**

## **Dealing with Matrix**

### The project was made with C++ using the concepts of OOP, Team of three students.

It does all the mathematical operations between two matrices or between a matrix and an integer .

It also checks if its square, symmetric and Identity and transposes it .

## **Big integer**

## In this project I develop a new type that can hold unlimited integer values and performs arithmetic using c++ and cocepts of oop

Java solves this problem by providing BigInteger class.

operations on them(adding and subtracting) using C++ with the concepts of OOP

## **Linked lists**

### In this project I develop a linked list class similar to that provided in the C++ STL.

The public interface of the class provide basic insertion and deletion functions. In addition,

An iterator class as an inner class in order to access the data stored in the list,

If we have a list of three elements, and want to access the second element, we should declare an

Iterator and initialize it to the position of the first element.

**Technical skills**

C++ programing language

Java programing language

Php programing language

Object oriented programing

Data structure & Algorithms

Software SOLID principles & Design pattern

Laravel framework

wordpress

# Personal information

**Date birth :** 15 april 1998

**Marital status :** Single

**gender :** Male

**Nationality**  **:** Egyptian

**Military Status** : Postponed