

# KARIM SAAD AHMED

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## SUMMARY

I have a passion for knowing and learning more in software engineering, finding a place where I can apply my knowledge and experience, working on real projects, and gaining more knowledge and experience as an undergraduate student.

## EDUCATION

### Computer System Engineering

Expected Graduating July 2024

Minya University, Egypt

very good

Faculty of Engineering

Relevant coursework: Hardware Design Languages and Programmable Logic, Computer Architecture, operating system, Networking, Discrete math, Digital control, Data structure, Algorithms, Problem-Solving, Database, and Software engineering

## TECHNICAL SKILLS

**Programming:** Python, C++, CSharp, SQL, OOP, Algorithms, Data structure, Problem-solving, Git

**Certifications:** Mastering critical SKILLS in Algorithms, Mastering critical SKILLS in Algorithms, Egyptian Collegiate Programming Contest (ECPC), Africa and Arab Collegiate Programming Championship (ACPC) and IEEEExtreme Participation with Rank 10 locally and 250 globally over 7500 team

**Achievements:** solve more than 2500 problems on different online judges such as codeforces and leet code

## ACADEMIC PROJECTS

### Mobile Store Management

The project is a Desktop Application using the .Net framework.

- allows the admin to (Add-Delete-Edit) Mobiles and Accessories from the store
- allows the admin to Store the bills and print them.
- using CSharp, ADO.Net, MS SQL, and Guna Framework by Visual Studio.

### Super Market Management

The project is a Desktop Application that consists of two parts (Admin and Sellers) each of them has special methods and accessibility

- Allow Admin to (ADD-EDIT-DELETE) Sellers, Category and Products
- Seller has only Access to Selling Forms.
- allows the admin and Seller to Store the bills and print them.
- using CSharp, ADO.Net, MS SQL, and Guna Framework by Visual Studio.

### Learning Model System

The project is an online learning model system platform for a university consisting of several types of users.

- Allow Admin to (ADD-EDIT-DELETE) Faculties, Departments, Category of Courses and Users.
- Allow instructors to add courses, Exams, Materials, and Assignments and add students to groups.
- The Student is able to retrieve lectures of courses and sections which are joined to them.
- using CSharp, Entity Framework core, MS SQL using Visual Studio, and MS-SQL management studio.

## ACTIVITIES

### Instructor at ICPC community at Minya University

instructor for more than 50 students to learn algorithms and data structures to improve their problem-solving skills and qualify them for global competitive programming contests using C++.

### Problem setter and judge at ICPC community

create contest ACPC' Girls kick-off 2022 contest and judge the participations solutions