

Fatma Mahmoud Ramadan

EDUCATION

Giza, Egypt Cairo University Sep 2020 – June 2024 3th year in the Faculty of Computers and Artificial Intelligence, CS dept. (GPA: 3.09 / 4.00)

PROJECTS

• Cafe Website (front-end). [Link](#)

- ❖ website allow clients Show menu, Info about the cafe and send form to contact with the cafe
- ❖ **Tools and technologies:** HTML, CSS, java script, Visual Studio Code.

• Student Affairs website (front end) [Source](#)

- ❖ Well-designed website allow worker to login, Add student, Delete student, Update student, Show students states, Assign department for student.
- ❖ **Tools and technologies:** HTML, CSS, java script, Visual Studio Code

• Bank System Database. [Source](#)

- ❖ Designed, implemented, and tested a database responsible for the following: registering new clients with their respective information in a bank system ask for loans and any employee in a targeted branch of bank can accept and reject it, we can open an account for the customer and add a new branch for a bank or add a new bank.
- ❖ **Tools and technologies:** C#, SQL server, MySQL, Visual Studio.

• Fawry System [Source](#)

- ❖ Designed, implemented, and tested software system which allow user to choose service and service provider and pay using different ways it is easy to modify by adding new features as it well designed using design patterns.
- ❖ **Tools and technologies:** OOP, Solid principles, Design patterns, Eclipse.

• Memory Allocator. [Source](#)

- ❖ Program which simulates dynamic memory allocation using best fit or worst fit or first fit allocation.
- ❖ It applies external fragmentation, compaction.
- ❖ **Tools and technologies:** java, OOP, Eclipse.

• CPU Schedulers Simulator. [Source](#)

- ❖ Java program to simulate
 - Pre-emptive Shortest- Job First (SJF) Scheduling with context switching
 - Round Robin (RR) with context switching
 - Pre-emptive Priority Scheduling (with the solving of starvation problem)
- ❖ **Tools and technologies:** java, OOP, eclipse.

❖

ADDITIONAL EXPERIENCE

- finish Essential to Linux and Intro to Cybersecurity Bootcamp 2022.
- problem solver.

Codeforces link:

https://codeforces.com/profile/8th_horcrux

SKILLS

Programming Languages: C++, Java.

Tools and IDEs: Visual Studio, CLion, Eclipse.

Conceptual Knowledge: OOP, Data structure, Algorithms, Database (MySQL), Design Patterns, Basic Network, Operating system.

Personal Skills: Problem Solver.

Web Development: HTML, CSS, Bootstrap.

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