

# Mariam Ayman Taha

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## EDUCATION

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### Bachelor of Computer Science

Expected: July 2025

Cairo University, Giza, Egypt

GPA: 3.64

## COURSE PROJECTS

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### Image Filters

Apr 2022

This is a simple image processing console project that can apply different filters to a bit map image of size 256 x 256.

### Country Population Viewer

July 2022

This is an application that simulates real world applications of showing statistics about different countries and connects with it by python GUI.

### Big-Decimal-Int Calculator

Oct 2022

This is a new C++ class that can hold a real number with unlimited number of digits, supporting math functions and arithmetic operations such as: +, -, <, and >.

### Student Affairs Website

March - May 2023

Developed a comprehensive Student Affairs website using HTML, JS, Python, Django, and CSS to manage student data efficiently. Implemented CRUD (Create, Read, Update, Delete) operations to manage student records effectively.

### University Library Management

May 2023

It is a Java based system with a user-friendly GUI and MySQL Database. Utilized JavaFX for the graphical user interface. Implemented features for book management, user authentication, borrowing, and returning books.

### Toffee Store Project

May 2023

Developed a Java program for an online Toffee Store with CSV file integration for account management and data storage. Designed a user-friendly interface for viewing products and adding them to the cart for a seamless shopping experience.

### Trees

May 2023

An application implemented in C++ which stores the data of students in BST, AVL trees, Min heap, and Max heap where each student has an ID, Name, Department and a GPA.

### FlixHub Web Application

July 2023

This app provides a comprehensive and user-friendly web application for browsing and discovering movies and series. Including features of adding and removing items from Watchlist and Favouritelist.

### Claudia Weather

July 2023

This is a ReactJS project that helps in navigating detailed temperature throughout world's cities.

## Technical Skills

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- **Languages:** C++, Python, Java, HTML, JavaScript
- **Database Systems:** MySQL, Microsoft SQL Server
- **Technologies/Tools:** ReactJS, Django

## Programming Competitions

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FCAI-CU Collegiate Programming Contest (ECPC Qualifications) Contestant

Aug 2022

ACPC Girls Contestant

June 2022