

# Basim Sherief Zeenelabdeen

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## 🎓 EDUCATION

**Bachelor of Science Communication and Computer Engineering,** 2021 – Jun 2026  
**Cairo University**  
GPA: 3.71/4.0

**IGCSE, Cairo British School** 2017 – 2021  
Grade: 99.4%

## 💻 PROGRAMMING LANGUAGES

**C++** — GUI libraries, Datastructure • **SQL, C#** — .NET 8, HTMX, Razor Pages, EdgeDB, Windows Forms, SQL Express •  
**Python** — Django, NumPy • **HTML, CSS, JavaScript** — React, Bootstrap • **Assembly** — intel 8086, GUI interrupts •  
**Matlab** • **Java** — Spring boot, • **Third party** — Azure, Garage Hq

## 👛 PROFESSIONAL EXPERIENCE

**SilverKey Technologies, Full stack Developer** Mar 2024 – Aug 2024

- Implemented a web application using .NET Razor Pages with HTMX for enhanced user interactions.
- Integrated authentication and authorization mechanisms, including external authentication providers.
- Utilized SignalR for real-time chat functionality and message read receipts.
- Developed a notification system using HTMX polling.
- Employed Garage HQ's cloud distributed system to upload and retrieve images via S3 protocols.
- Applied libraries for image resizing and optimization.
- Designed user experience (UX) workflows and organized project plans.
- Worked with EdgeDB and other databases.

**National Bank of Egypt, App & Technology intern** Aug 2023 – Sep 2023

- Developed and cloned a section of the NBE website UI using JavaScript, CSS animations, and Bootstrap.
- Collaborated closely with backend developers, utilizing PHP to make Ajax requests and send data to the Apache server.
- Worked with the Oracle OBI tool for report generation.

**Information Technology Institute, Trainee**

- Manipulated DOM and BOM in various tasks.
- Utilized AJAX requests and React framework for efficient development.
- Gained experience in fetching and dynamically displaying data from APIs.
- Gained familiarity with React routing, prop handling, and understanding Single Page Applications (SPAs).

**As a student in CUFE & Personal**

- Collaborated in a four-member team to develop a database project using SQL Express and Winforms C# for GUI, involving the creation of procedures for effective management.
- Simulated a process scheduler in C++ using data structures (linked lists, queues, stacks) to manage process execution on a computer system. Implemented four processor types (Round Robin, FCFS, SJF, EDF) each with its own scheduling algorithm.
- Developed "Paint For Kids" in C++ with OOP principles, featuring:
  - Adding buttons as images using a graphic library.
  - Save and load actions involving file reading and writing.
  - A pick-by-color game and a switch to draw mode option.
- Created a logic simulation game in Assembly Intel 8086, utilizing GUI interrupts to develop a UI. Implemented functions with a single interrupt, gradually drawing pixels to create a comprehensive UI for the game.
- Led a team-focused approach in developing a Task Tracker CLI application (C#, OOP), emphasizing team leadership practice.

**Cairo British school, Edexcel Math A level Teacher Assistant**

- Corrected exams, provided feedback, explained mistakes, and visualized data in Excel sheets to analyze and identify areas for improvement.

## 🏆 AWARDS & LEADERSHIP

**Achieved the highest score of 124 out of 125 in Cambridge OL Computer Science., Cairo British School**

**Awarded a 50% scholarship discount., Cairo University**

- Consistently ranked among the top 40 students in the major for the first six semesters.