# Menna Allah Mohamed Hekal

Phone: +201021535344
Email: menna0hekal2020@gmail.com
LinkedIn: linkedin.com/in/menna-hekal-231286294
GitHub: github.com/Menna107
Portfolio: https://menna107.github.io/Menna-Portfolio/

## Objective

Motivated Computer Science student (Cairo University, Class of 2027) seeking an internship or junior software developer role to apply strong skills in C++ and full-stack development in a collaborative team environment.

## Education

**B.Sc. in Faculty of Computers and Artificial Intelligence**
Cairo University, Egypt
2023 – Expected 2027

**Relevant Coursework:**

- Data Structures and Algorithms
- Object-Oriented Programming
- Web Development

## Technical Skills

- **Programming Languages:** C++, Java, Python, C#
- **Web Development:** HTML, CSS, JavaScript (basic), Django (basic)
- **Databases/Tools:** SQL Server, Git, Tableau, VS Code
- **Concepts:** Object-Oriented Programming (OOP), Data Structures, SOLID Principles

## Projects

**Online Library System (Django, 2025)**

- Developed a full-stack web app for book borrowing with admin and user roles.
- Implemented user authentication, profile management, and CRUD operations.
- Collaborated in a team of 6 using Git for version control.

**Task Management System (C# + SQL Server, 2025)**

- Built a desktop application to manage tasks and worker assignments.
- Integrated SQL Server for persistent data storage.
- Designed WinForms interface with CRUD functionality.

**Data Structures Implementation (C++, 2025)**

- Implemented core data structures from scratch, including Linked List, Stack, Queue, and AVL Tree.
- Focused on correctness, time complexity, and modular design.

**To-Do List App (Java, 2024)**

- Created a desktop application with object-oriented design principles.
- Enabled adding, editing, and removing tasks with persistence.

**Mini Games Website (HTML/CSS/JavaScript, 2025)**

- Designed and implemented a responsive site showcasing five interactive games.
- Ensured cross-browser compatibility and mobile responsiveness.

**Problem Solving Practice (C++, 2023–Present)**

- Regularly solve algorithmic problems on Codeforces to improve problem-solving skills.
- Focused on efficiency and optimized algorithms.

---

## Experience

**C++ Instructor – A7la Shabab Volunteer Team (2024)**

- Taught introductory C++ concepts to over 15 students.
- Designed practical coding exercises to reinforce learning.
- Mentored students to build confidence in problem-solving.

**Team Projects & Assignments (2023–Present)**

- Collaborated effectively on academic projects using Git.
- Practiced teamwork, task distribution, and code reviews.

---

## Certifications & Courses

- Tableau for Data Visualization (Self-Study, Unofficial)
- Game Development Fundamentals (Self-Study, Unofficial)
- Instructor Certificate – A7la Shabab (Volunteering)

---

## Languages

- Arabic: Native
- English: Very Good (Written and Reading), Good (Spoken)