

MOHAMED ALAA

Banha City, Egypt

+201098272398

alaam7370@gmail.com

ABOUT ME

Computer Science fresh graduate with solid skills in problem-solving and software development. Highly analytical, eager to learn, able to work in a fast-paced environment, and communicate effectively.

EDUCATION

Faculty of Computer Science and Artificial Intelligence

September 2019 – August 2023

Banha University, Egypt

WORK EXPERIENCE

Competitive Programming Coach at Coach Academy EG

July 2022 – now

Teaching Problem-Solving Techniques, Data Structures, and Algorithms To Undergraduate Students From Different Countries In The Arab Region In Online Weekly Sessions.

Skills: Data Structures, Algorithms, Competitive Programming, Mentorship

PROJECTS

[Sorting Visualizer](#)

Web App Visualizing Different Sorting Algorithms Including Selection, Bubble, Insertion, Merge, Quick Sort With The Functionality Of Speed And Array Size Control

Technologies: HTML, CSS, Javascript

[Medicine Donation Application \(Graduation Project\)](#)

A Machine Learning Based Health Mobile App Connecting People Donating Medications With Those Receiving Them. The ML Model Predicts Patients' Diagnosis Based On Their Symptoms And Suggests The Proper Medications To Them. The App Then Matches The Donors Of These Medications With The Patient

Technologies: Spring Boot, MongoDB, Java, Kotlin, Kaggle, Android Development

[Library Management System](#)

The System was Designed To Perform Services Including Adding New Books To the System, Recording The Data Of Books, And Students That Borrow Books

Technologies: Java, Mysql

PROFESSIONAL SKILL

- **Programming Languages:** C++, JavaScript, Java, kotlin
- **Concepts:** Competitive Programming, Data Structure, Algorithms, Reactjs
- **Problems solving:** Solved +1500 Problems On Various Online Judges
- **Soft-Skills:** Self-learning, Coaching, Teamwork

EXTRA-CURRICULAR ACTIVITIES

- ACM Mentor At FCAI Benha ACPC Club.
- Judge At ACM Egyptian Collegiate Programming Contest (ECPC) 2023.
- Problems Setter at ACM Egyptian Collegiate Programming Qualifications (ECPC) 2023.