Esmail Mohamed

Software Engineering

✉ esmailmohamedhussein25@gmail.com   📍 Cairo, Egypt   in LinkedIn   ○ gitHub
📞 +201068673112

Summary

I am an Information Technology student passionate about coding and problem-solving. With a GPA of 3.73, I've developed various projects utilizing C# and .NET technologies, including a bank management system, and implemented CPU scheduling algorithms using Java. I am actively involved in competitive programming, having solved over 1000 problems on Codeforces, and I qualified for the ECPC finals in 2024.

Education

Full Stack .NET Web Developer

Digital Egypt Pioneers Initiative (DEPI) 🔗

Oct 2024 – present | Assiut, Egypt

Bachelor's degree, Information Technology GPA 3.73

the Egyptian E-Learning University (EELU) 🔗

Oct 2022 – Jul 2026 | Assiut, Egypt

Projects

CPU Scheduling 🔗

- Implemented CPU scheduling algorithms, including First-Come, First-Serve (FCFS), Shortest Job First (SJF), Non-Preemptive Priority, Round Robin, and Preemptive Priority.

Technologies: Java Swing and OOP.

Bank Management System 🔗

- Built a C# Bank System with Client, Employee, and Admin modules for user management and transactions.
- Implemented data storage using text files with file handling and parsing.
- Features included validation, user management, and a simple, intuitive interface.
- Followed a phased development approach to ensure organization and maintainability.

Technologies: C#, OOP and File Stream.

Awards

Pupil at Codeforces 🔗

Solved over 1000 problems on Codeforces

ECPC Qualification 2024 (Qualified for ECPC Finals) 🔗

- Ranked Fifth place out of 40 university teams and Qualified for the Egyptian Collegiate Programming Contest (ECPC) and competed among the top 350 teams in Egypt, selected from over 2500 teams.

Skills

C# | java | C++ | OOP |
EF Core | ASP.NET |
Algorithm | Data Structure |
SQL Server | Database |
Mentoring | Leadership |
Problem Solving | Teamwork |
Coaching | Communication skills

Volunteering

ICPC EELU 🔗

Head of Training

Feb 2024 – present

- Overseeing the program focused on learning data structures and algorithms.

Mentor for Newcomers

Feb 2024 – Jul 2024

- Providing support and guidance to new participants as they begin their journey in programming.

Problem Setter and Judge

Feb 2024 – present

- **Problem Setter and Judge** for contests: Creating and evaluating problems to test participants' skills.