Youssef Sherif

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Profile

As a 3rd-year computer science student passionate about software development, I possess a robust foundation in computer science, particularly in data structures and algorithms. Proficient in Java, C++, and C#, I am eager to contribute and learn in dynamic environments.

Skills

- C++
- Java
- C#
- Object-Oriented Programming (OOP)
- MSSQL
- Data Structure
- Algorithms
- Problem Solving
- Git & GitHub
- Command-Line

Projects

- **Pet Friends App:** I developed a pet management program enabling users to organize and maintain their pets' information. The program offers a user-friendly interface with options for adding new pets, editing existing details, and viewing a comprehensive list of pets, including species, age, physical description, personality, and nickname.The program ensures accurate recording and easy access to each pet's information. It also includes features to maintain completeness and currency of pet information, allowing users to enter or update details like age, physical description, personality, and nickname. (GitHub)

- **File System Command Line**: Developed a command-line tool using C# to interact with the file system. The tool offers functionalities such as listing files and directories, displaying file and directory information, creating directories, removing directories or files, and reading file content. The program allows users to input commands like "list," "info," "mkdir," "remove," and "read" followed by a path to perform various file system operations. Implemented error handling to manage cases where paths are not found or commands are not supported, ensuring smooth user experience. (GitHub)

- **Math Expression Evaluator:** a C# program, resembles a parser by parsing mathematical expressions for evaluation. It dissects input expressions to identify operands, operators, and functions, subsequently performing calculations to evaluate the expressions. Supporting basic arithmetic operations (addition, subtraction, multiplication, division) and advanced functionalities (modulus, power), it also handles trigonometric functions (sin, cos, tan). This comprehensive tool provides users with the ability to input and evaluate a wide range of mathematical expressions efficiently. (GitHub)

Education

Bachelor's Degree — **Modern Academy Maddi** — **2021 - 2025**

- Major in Computer Science

Achievements

- **Participated** in the 2022 & 2023 Egyptian Collegiate Programming Contest.
- **16**th place in the semicolon shows IEEE Al-Azhar University.
- **A problem-solving technical support to the ICPC Community**