

Imran Ali

Computer Scientist

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Profile

Enthusiastic Computer Science Student with a strong foundation in many programming languages. Experienced in software development methodologies and algorithms. Skilled in problem-solving and logical thinking. Currently pursuing a Bachelor's degree in Computer Science with a focus on DBMS, Data structures and Algorithms. Eager to apply theoretical knowledge in practical settings and contribute to innovative projects.

Areas of Expertise

Strong Programming Fundamentals and Object Oriented programming in C - Algorithms and Data Structures - Database Management - Problem-Solving and Logical Thinking

Academic Projects

24 puzzle game, C++

- A numerical puzzle game written in C++, challenging players to arrange tiles within a grid so that the sum of each row, column, and diagonal equals 24, testing mathematical and logical skills.

Flex Management System, C++

- A comprehensive academic management system developed in C++, catering to students, teachers, and administrators, facilitating tasks such as grading, record-keeping, and user management.

Dictionary, C++

- A C++ application providing users with translations, and featuring search functionality, word suggestions, insertion, deletion, upgradation operations.

Hospital Management System, C-Sharp Desktop Application and Oracle database

- The Hospital Management System (HMS) is designed to facilitate the efficient management of healthcare services, including patient care, staff administration, and financial operations. It aims to provide comprehensive support for both patients and hospital staff.

Mini OS, C

- An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all the other programs in a computer. In addition, users can interact directly with the operating system through a user interface or Command Line Interface.

Mini Academic Project

- Tic Tac Toe game, C++
- Snake game, Assembly
- Numerical Techniques, Python
- Infix to prefix-post fix Converter-evaluator, C++

Education

BSc Computer Science *FAST NUCES*

CFD Campus, Pakistan 2022-present

Relevant Courses: PF, OOP, Data Structure and Algorithms, Database Systems.

Skills

- **Database Development** database development(SQL, PL/SQL).
- **Web Development** HTML, CSS, JavaScript.

Programming Languages

C++ SQL C Python C-sharp HTML CSS JavaScript