Hamza Bin Shahid

Software Engineer

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Driven computer science student with a passion for innovation and a proven ability to excel in collaborative environments, eager to contribute to cutting-edge solutions.

EDUCATION

Bachelor's in Computer Science
National University of Computer and Emerging Sciences - FAST
08/2021 - Present

Intermediate in Computer Science
I.M.C.B, F-7/3, Islamabad
03/2019 - 04/2021

Matriculation
Scienta Vision System
04/2017 - 05/2019

PERSONAL PROJECTS

Rush Hour
- Developed a dynamic Rush Hour game in C++.
- Featured car navigation, passenger transportation, collision detection, and scoring.
- Tools used: C++ with basic programming concepts and SFML graphics libraries.

Clone of OLADOC Hospital Management System
- Created an object-oriented hospital management system in C++, streamlining patient records, appointments, and resource management.
- Demonstrated code reusability and scalability through object-oriented principles.
- Tools used: C++ with Object Oriented Programming concepts.

DataBase Management System
- Designed a data structure-based database management system using trees for efficient data storage and retrieval.
- Demonstrated proficiency in data structures and file handling techniques.
- Tools used: C++ with Data structures tools like Queues, Stacks, Trees and linked list.

Neural Network (Operating Systems)
- Developed a neural network project utilizing operating systems concepts like threads, processes, and Interprocess communication (IPC).
- Showcased understanding of concurrent programming and efficient computation.
- Tools used: C++ with Operating System concepts.

University Portal
- Created a comprehensive university portal for streamlined academic management.
- Implemented an intuitive user interface with interactive features for enhanced user experience.
- Tools used: C#, HTML, CSS, JavaScript, MySQL for front-end, back-end and database management of the portal.

SKILLS

C/C++   HTML   CSS   Assembly Language
MySQL   Data Structures & Algorithms   OOP
MATLAB

INTERESTS

Reading   Soccer   Volunteering   Fitness
Tech & Gadgets