Alina Saeed

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Profile

As a dedicated and ambitious computer science student, I am passionate about leveraging technology to drive innovation and solve complex problems. With a solid foundation in programming, software development, and problem-solving, I am committed to expanding my knowledge and skills to make a meaningful impact in the field. Throughout my academic journey, I have gained practical experience in various programming languages, including Java, C++, and Python, allowing me to develop robust and efficient software solutions. I have also honed my skills in database management, algorithms, and data structures, enabling me to design scalable and optimized systems

Projects

Small Scale Search Engine (DSA)
Small Scale Search Engine using basic DSA Concepts, organized by efficiency

Library Management System (Python)
Developed a LMS using Python (OOP), with proper file handling and GUI

Image Recognition (Tensorflow)
Image Processing for image detection (Training various models and testing)

Parking Management System (SQL)
Incorporated number plate recognition, time-based billing
MYSQL database system to store and retrieve vehicle records

2048 Game (C++)
Console-Based Classic 2048 game. Real-Time Score checking

Online Baking Shop (SE)
Software Engineering Idea Pitch, Online Web-based Baking Shop

Education

Bachelorette in Computer Science | Minor in Data Analysis,
Forman Christian College (A Charted University)
2021 – present | Lahore

O / A Levels, *Beaconhouse School / Private*

Skills

Python (From Structural, OOP to DSA),
MS Office (MS Word, Excel and PowerPoint),
Strong Math Background (Advanced Multi-variant calculus, Linear algebra and Statistics),
Visual Basic (Basic Structural Coding),
C++ (OOP and DSA),
mySQL (Managing DBMS through SQL in SSMS),
MATLAB (Basic Matrix/Image Handling),
Digital/Hardware Logic Design (Basic knowledge of circuits, gates, encoders, decoders, multiplexers, and demultiplexers.),
MIPS (Assembly Language and Memory Handling),
R-Studio (Graphing and Statistics)

Professional Experience

Active Participant in CS Societies
Actively participating in CS/IT societies and communities within the University.

Competition Organizer
Organized and led programming competitions, increasing technical proficiency and awareness amongst participants.

XR Hackathon Management
Managed a large-scale XR hackathon event, coordinating teams and ensuring timely execution of project deliverables.

Gaming Events
Established and organized weekly gaming competitions, fostering a community of gamers and promoting healthy competition