Asad Raza

+92 314 5875110 | syed0055asad0@gmail.com | https://www.linkedin.com/in/syed-asad-raza-188421322/ | www.github.com/AsadAnalyst | www.asad- raza.netlify.app/

Professional Summary

Computer Scientists with **hands-on experience**, skilled in designing and implementing **scalable and efficient software solutions**. Proficient in **Python, C, C++, and C#,** with a strong focus on writing **optimized, maintainable, and performance-driven code**. Recognized for **problem-solving skills** and expertise in **data structures, algorithms, and UML design**. Passionate about **exploring cutting-edge technologies** and delivering high-quality solutions tailored to client needs.

Education

FAST National University of Computer & Emerging Science, *B.S Computer Science*   Aug, 2022 – Sep, 2026

Paras Science Collage Kandiaro Sindh, *F. Sc in Pre-Engineering*   Aug, 2020 – Mar, 2022

Marks 1017/1100 (93.67%)

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithm, Operating System, Software Design and Analysis, Software Engineering, Database Systems, Software for Mobile Devices, Computer Network, Artificial Intelligence

Skills

Desktop App Development: C++, C, C#, Python, Windows Form, .NET Core

Web Development: HTML, CSS, JavaScript, Node.js, MySQL, Oracle, SQLite, MVC Architecture

Android Development: Java, Git, GitHub

Work Experience

I have practical skills in programming and Desktop Console Based Application development from lab work. These proficiencies will help me excel in future projects that require a strong command of these languages

Selected Projects (https://github.com/AsadAnalyst)

Success Grammatic Dictionary (Lead Backend Developer) (GitHub)   **OOPs, Data Structure, C++**
- The Success Grammatic Dictionary utilizes a Trie Tree and Array data structures for efficient word storage and retrieval. The Trie Tree enables fast searching, making it ideal for dictionary applications.

WhatsApp Clone (Lead Frontend Developer) (GitHub)   **WebRTC, Node.js, HTML, CSS**
- Developed a Secure WhatsApp Clone using WebRTC, enabling direct communication without a centralized server. Implemented end-to-end encryption, text and Voice messaging, file sharing for enhanced privacy and real-time communication.

Flex management System (Lead backend Developer) (GitHub)   **OOPs, C++, File Handling** ☐   The System operates all functionalities like FAST-NUCES Flex Academic Portal

Gym Analysis and Tracking (Analyst) (GitHub)   **R language, Google Collab, Analysis, Kaggle**
- Gym Analysis and Tracking is a project developed using only R language, focusing on analyzing gym activities and tracking performance metrics. It leverages data visualization and statistical techniques to provide actionable insights for fitness enthusiasts and trainers

E-commerce Application (SRS and SRDD Designer) (GitHub)   **UML Diagrams, Visio, Design Patterns**
- Developed E-commerce, an AI-driven e-commerce platform with dynamic pricing, real-time inventory tracking, and personalized product recommendations.

Awards & Honor

IBA University   **Silver Medal In Physics Science Exhibition 2021**   2021

Selected Blogs (medium.com/@AsadAnalyst)

- Assembly Language x8086 Snake Game: A Step-by-Step Guide (Blog Link)
- A Complete Beginner's Guide on How to Earn by Writing Articles (blog Link) ☐ 2024 Predictions (Blog Link)
- These Words Make it Obvious that your text is written by AI (Blog Link)

Hobbies & Interests

☐ Cricket   ☐ Problem Solving   ☐ Traveling