

# Asad Raza

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## 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

BISE -Nawabshah **2<sup>nd</sup> Position in Nawabshah Division** (Intermediate and Secondary Education) 2022

## Selected Blogs ([medium.com/@AsadAnalyst](https://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

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- Cricket
- Problem Solving
- Traveling