

Muhammad Saim Ansari

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Personal Summary:

- Rust and networking developer with experience building efficient applications.
- Dedicated and enthusiastic individual with a deep passion for development and a strong commitment to pursuing a career in computer science.
- Solid foundation in computer science principles, algorithms and programming languages.
- Experience with Rust programming, networking, web development, database management, and software engineering practices.
- Strong problem-solving abilities, excellent analytical thinking, and effective communication skills.
- Eager to contribute skills and knowledge to real-world projects and apply theoretical understanding to practical scenarios.
- Highly motivated and promising candidate with a genuine interest in development and a proactive approach to learning.

Education:

- **Bachelors**
In Computer Science
From DHA Suffa University 2022 – Ongoing (Expected till 2026)
- **Intermediate**
Pre - Engineering
From Sir Adamjee Institute 2020 – 2022 (Completed)

Work Experience:

- Rust Trainee Program
Jaffer Business Systems (JBS)
10/2023 – 12/2023
- Customer Service Representative
Star BPO
04/2023 – 07/2023

Proficiencies:

- C Language
- Java
- C++
- HTML
- CSS
- Bootstrap
- RUST

Projects:

- Developed a Rust game of Jumble Words, using a variety of data structures and algorithms to generate and solve jumbled words.
- Developed a Rust program that reads a text file and counts the occurrences of each word in the file, utilizing vectors and hash maps for data storage, and demonstrating error handling using Result for file operations.
- Developed a Rust program that generates random passwords with specified criteria (length, character types), utilizing Rust's random number generation capabilities and string manipulation, and implementing error handling for invalid input.

Developed a C++ program that implements the core logic for a 2D array convolution through arrays and prints the result as a matrix. This core logic is used in blurring or sharpening pictures.

Activities:

- Table tennis: Played for the Karachi Board and participated in the All-Pakistan Board Championship as the 3rd best player in the team.
- Coding: Developed Rust programs for a text file word counter, a password generator, and a 2D array convolution.

