

EDUCATION

- **National University of Computer and Emerging Sciences** Peshawar, Pakistan
Bachelor of Science in Computer Science; CGPA: 3.93
Aug. 2021 – May. 2025
 - **Honors:** Gold Medal And Dean's List (All Semesters up till now).
 - **Activities:** GDSC-PWR, & COLAB
- **Fazaia Inter College** Lahore, Pakistan
Higher-Secondary School Certificate (Pre-Engineering); Marks: 1052/1100
2020 – 2021
 - **Honors:** Full Scholarship.
- **Garrison Boys High School And Intermediate College** Lahore, Pakistan
Secondary School Certificate (Computer Science); Marks: 1067/1100
2019 – 2020
 - **Honors:** LGES High Achievers Award.

EXPERIENCE

- **Teaching Assistant** Peshawar, PK (Part-Time)
Aug 2022 - Ongoing
 - **Programming Fundamentals:** Provided hands-on support to students as they learned the basics of programming, including coding syntax, logic, and problem-solving.
 - **Differential Equations:** Played a vital role in helping students gain a deep understanding solving differential equations, including first-order equations, second-order equations, and systems of differential equations.

PROJECTS

- **Crab DB:** Crab DB, a Rust-based database management system with both SQL and No SQL features. Focused on gaining experience with Rust and developing skills in database design and management.
- **Hospital Management System:** System software in C++ using Qt, linked to Google Firebase via REST API, with basic I/O file handling for certain features and data storage. Also created a C++/Cli version with windows forms for GUI (unfinished)
- **Sign Detection:** Trained a model to detect sign language with tensor flow object detection module.
- **Self Detection:** Trained a model to detect me using tensor flow object detection module.
- **HMS App:** Flutter App for hospital management system project linked to Google Firebase.Appointment booking and Bill Generation features

PROGRAMMING SKILLS

- **Languages:** Rust, C, C++,bash, Assembly & Python.
- **Technologies:** MySQL, MongoDB, Qt, Flutter, Firebase, Docker, Hugo, TFOD

TECHNICAL SKILLS

- **Arch Linux:** Proficient in Arch Linux command-line interface (CLI) and package management
- **Git and Github:** Proficient in using Git for version control and source code management
- **DSA ALGO:** Proficient in implementing and optimizing data structures and algorithms.
- **Devops Tools:** Knowledge of using Docker for containerization and deployment of applications in various environments.