

Name: Sana Ullah Farooqi

Contact Information:

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Career Objective / Profile:

To apply my knowledge and skills in data science and technology to create innovative solutions that address real-world challenges. I aim to gain global exposure, enhance my analytical abilities, and contribute toward empowering youth and promoting education, especially in underprivileged communities.

Education:

BS Data Science, FAST National University, Islamabad — *Class of 2027*

Relevant Courses: OOP, Data Structures , Data Base Systems

GPA: 2.3

Skills:

- C++ Programming
- Object-Oriented Design
- Data Structures and Algorithms
- Problem Solving and Logical Thinking
- Team Collaboration and Communication

Experience / Internships:

Data Science Intern, [Organization Name], [Month Year – Month Year]

- Assisted in data cleaning, preprocessing, and basic exploratory analysis.
- Supported the development of small-scale projects using C++ and Python for data handling.

Projects / Research :

. Network Emulator in C++, May 2025

Developed a network emulator using C++ without STL libraries, implementing message routing through splay trees, priority queues, and FIFO queues. The project simulated real-time packet transfer and dynamic routing using Dijkstra's algorithm.

Achievements / Extracurricular Activities:

- Participated in **FAST Data Science Society Hackathon**, developing a real-time data visualization tool — 2025
- Active member of **Character Building Society**, promoting education and social awareness — 2024–Present