### 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