**Name:**

Amna Zubair

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**Profile:**

Aspiring data science student skilled in Python, R, and C++ with hands-on experience in data analysis, predictive modeling, and application development. Strong foundation in statistical techniques, optimization, and database management.

**Education:**

Bachelor of Science in Data Science, National University of Computer and Emerging Sciences (FAST-NUCES), Islamabad, June 2027

Relevant Courses: Introduction to Data Science, Linear Algebra, Advanced Statistics, Data Structures, Database Systems, Coal, and Fundamentals of Software Engineering

GPA: 3.13 / 4.00

**Skills:**

* Programming Languages: Python, C++
* Databases: MySQL
* Tools: Git, VS Code, Figma
* Data Analysis and Visualization
* Team Collaboration & Communication
* Languages: English, Urdu

**Projects:**

* Applied Optimization and Predictive Analytics (Python)
  + - Modeled packaging efficiency using Lagrange multipliers and Python, enhancing skills in calculus-based optimization and visualization.
    - Performed data cleaning, preprocessing, and exploratory analysis on retail sales data; built regression, classification, and clustering models to generate actionable customer insights.
* Econometric Modeling and Data Analysis (R)
* Analyzed student spending behavior using primary survey data with multiple regression and EDA techniques.
* Forecasted Pakistan’s inflation using WDI data via ARIMA, LASSO, Ridge, and Elastic Net models.
* Gained hands-on experience in regression, regularization, and time series forecasting.
* Desktop Application Development (.NET/C and MySQL)
* Developed patient support and event management desktop systems featuring appointment booking, scheduling, role-based access, and competition scoring.
* Implemented advanced SQL techniques including JOINs, stored procedures, triggers, and event handling for enhanced data management and performance.

**Achievements / Extracurricular Activities:**

* Member, FAST Data Science Society — 2024–Present
* Volunteer, Pehli kiran School— 2024
* Robotics from Punjab Group of Colleges (Distinction) 2021 – 2023