Malaika Zainab
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Career Objective

Analytical and detail-oriented Data Science undergraduate passionate about transforming data into meaningful insights and developing innovative, data-driven solutions. Skilled in statistical modeling, programming, and visualization, with hands-on experience in predictive analytics, database systems, and machine learning workflows. Eager to contribute to real-world projects that integrate data science, automation, and impactful decision-making.

Education

Bachelor of Science in Data Science — FAST National University of Computer & Emerging Sciences, Islamabad — June 2027
Relevant Courses: Data Structures, Databases, Probability, Statistics, Python Programming, Advanced Statistics, Machine Learning

Skills

- Programming Languages: Python, R, SQL, C++, C#
- Libraries: Pandas, NumPy, Matplotlib, Seaborn, ggplot2, forecast, glmnet
- Tools: Visual Studio, VS Code, Anaconda, Jupyter, Excel, MySQL Workbench
- Techniques: Data Cleaning, Exploratory Data Analysis (EDA), Regression, Machine Learning, Time Series Forecasting, Database Management
- Soft Skills: Team Collaboration, Analytical Thinking, Communication, Presentation, Time Management, Quick Learner

Experience

Project Management Intern — Blunderbot Technologies | Jun 2025 – Aug 2025

- Assisted in the planning and execution of AI-driven automation projects for business optimization.
- Coordinated with software engineers and data scientists to meet deliverables within deadlines.
- Supported Agile tracking, workflow documentation, and dashboard creation for performance monitoring.

Research Intern — AIM Lab, FAST NUCES | Jul 2025 – Sep 2025

- Conducted research on Continual Learning using EWC, LwF, and TinyBERT models.
- Improved model retention through fine-tuning and regularization across sequential tasks.

Projects

- Inflation Forecasting (R, Python): Predicted Pakistan's inflation using ARIMA, LASSO, Ridge, and Elastic Net models; evaluated using MSE and R^2 metrics.
- NASCON Management System (MySQL, C#): Designed a database system automating event scheduling, user registration, and sponsorship tracking.
- Traffic Management System (C++): Simulated urban traffic flow using linked lists and queues to optimize movement.
- CGPA vs Study Habits (R): Analyzed survey data using hypothesis testing and visualized results via ggplot2.

Achievements & Certifications

- Lead PR & Sponsorships — FAST Data Science Society (2025 - Present)
- Data Visualization Fundamentals Certification — Microsoft
- Foundations of Project Management Certification — Google
- NLP with Probabilistic Models Certification — DeepLearning.AI

References

Available upon request