

HIFSA SHAHZADI

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DATA SCIENTIST

I am a motivated individual with a strong background in mathematics, statistics, and programming, drawn to Data Science for its ability to uncover insights from complex data. My passion lies in solving real-world problems through analytical thinking and data-driven decisions. I'm particularly interested in how models can optimize systems and predict outcomes. With skills in machine learning, visualization, and statistical analysis, I aim to contribute to meaningful projects and grow within a data-centric environment.

EDUCATION

- **MS Statistics and Data Analytical Science**, Air University, Islamabad — CGPA: 4.00
- **BS Mathematics**, Air University, Islamabad — CGPA: 3.61

SKILLS & ABILITIES

- Python
- MATLAB
- R
- SPSS
- Power BI
- Eviews

Experienced in using these tools for data analysis, statistical modeling, visualization, and reporting across academic and practical data science projects.

PROJECTS

- Customer Churn Prediction
- Thermal Image Analysis for Detecting Internal Defects in Heated Materials
- Artificial Intelligence Traffic Control Signal Using Machine Learning Techniques
- Data Analysis for Climate Change

PUBLICATIONS

AI Traffic Control Signal using Deep Learning Mechanism
H. Shahzadi, S. Nadeem, A.N. Cheema 1st Conference on Statistics and Data Analytics 2024.

WORKSHOPS

- SPSS Workshop
- Power BI Workshop
- Artificial Intelligence Workshop
- Natural Language Processing (NLP) Workshop

**AWARDS AND
CERTIFICATES**

- Gold Medalist – Academics (Air University)
- Gold Medalist – Student Leadership (AU Mathematics Society)
- Gold Medalist – Co-curricular (Bait Bazi Competition)
- Silver Medalist – Sports (Inter-departmental Cricket)

LEADERSHIP

Served as President of the Air University Mathematics Society, leading academic and co-curricular initiatives. Successfully organized workshops, competitions, and collaborative events, fostering student engagement and academic growth.