

# Syeda Zainish Fatima Abbas

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## Profile

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Passionate Data Science student with a solid foundation in machine learning, AI, and analytics. Driven by curiosity and innovation, I use Python, SQL, and visualization tools to extract insights and solve real-world problems. Eager to grow and contribute to impactful, data-driven projects.

## Skills

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**Programming Languages:** Python, R, SQL

**Technologies & Tools:** Power BI, Tableau, DAX, Excel, Django, BeautifulSoup, Selenium

**Core Concepts:** Data Scraping, Dashboard Design, Machine Learning, Data Visualization, ETL Processes, Data Annotation

**Soft Skills:** Problem solving, leadership, communication, teamwork, critical thinking, time management, adaptability, continuous learning

## Education

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**Air University, Islamabad**

*Bachelor of Science in Data Science*

Expected July 2026

*Islamabad*

## Experience

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**PepsiCo**

July 2024 – August 2024

*Data Analyst Intern*

*Islamabad*

- Developed and maintained interactive **Power BI dashboards**, providing insights for data-driven decision-making.
- Cleaned and transformed large datasets, ensuring accuracy and consistency for analytical reporting.
- Collaborated with cross-functional teams to implement data-driven solutions and optimize workflows.

**Air University**

June 2023 – July 2023

*Data Science Intern*

*Islamabad*

- Performed data annotation, preprocessing, and applied machine learning techniques.
- Enhanced data integrity and quality, ensuring consistency for analysis.

## Projects

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**Job Data Mining for Salary Prediction**

- Scraped job listing data and built ML models to predict salaries.
- Applied feature selection techniques such as Recursive Feature Elimination and used algorithms like Random Forest and Gradient Boosting.

**CPI Dynamics in Pakistan**

- Analyzed city-wise inflation trends using Time Series predictive modeling.
- Explored regional price disparities and protest impact on prices.
- Applied statistical techniques including ARIMA, Exponential Smoothing, and Regression Analysis to forecast CPI trends.

**Temporal Analysis of Election Outcomes**

- Scraped news articles, analyzed bias using NLP, and predicted election results.
- Performed Exploratory Data Analysis (EDA), sentiment analysis, and applied ML-based prediction models such as Support Vector Machines and Naive Bayes.

## Additional Experience and Leadership

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**Tech Lead, AI & Data Society**

- Organized AI and Data Science events, workshops, and hackathons to engage students in data-driven projects.
- Mentored junior members in machine learning, deep learning, and data visualization, improving their technical skills.

**Event Head, DataQuest - Air University**

- Led and managed one of the largest university-level data analytics events, attracting participants from multiple institutions.

## Certifications

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**Intermediate Data Modeling in Power BI - DataCamp**

**Introduction to Power BI - DataCamp**

**Introduction to SQL - DataCamp**

**Python for Data Science and AI - Coursera**