

# Bushra Paracha

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## EDUCATION

### **Stony Brook University**

*Bachelor of Science in Information Systems & Applied Mathematics and Statistics  
Minor in Digital Arts*

Stony Brook, NY

May 2026

Relevant Coursework: Data Analysis, Financial Mathematics, Probability & Statistics, Legal Issues in Computing, Computer Networks, Human-Computer Interaction

GPA: 3.30

## EXPERIENCE

### **Data Analyst Intern**

*Kassam Trading Company*

June 2023 – Present

Karachi, PK

- Analyzed trade data to identify trends, patterns, and insights to support decision-making in export-import operations.
- Worked with logistics and supply chain data to enhance the efficiency of shipping processes, reducing delays and improving inventory turnover.
- Developed clear and informative data visualizations for monthly and quarterly performance reports, making complex data accessible for management
- Partnered with operations and logistics teams to address data-driven inquiries and troubleshoot discrepancies, contributing to improved data quality and operational accuracy.

### **Undergraduate Teaching Assistant**

*Stony Brook University*

Spring 2024 – Present

Stony Brook, NY

- Assisted in teaching Applied Mathematics & Information Systems courses, mentoring students in data analysis, probability, and statistics.
- Conducted review sessions, graded assignments, and provided guidance on technical problem-solving.
- Strengthened communication and presentation skills by explaining complex concepts to students.

## PROJECTS

### **One Predictor Line Regression** | *R, Python, Excel*

Oct 2024 – Present

- \* Performing in-depth analysis on large datasets to identify key trends and patterns, applying statistical techniques to generate actionable insights.
- \* Utilized Python and R for data cleaning, transformation, and exploratory data analysis, ensuring high data quality and consistency.
- \* Created interactive dashboards and visualizations in Tableau to communicate findings effectively, helping stakeholders make data-driven decisions.

### **The Twitterbot** | *Python, Random, JSON, Tweepy*

May 2018 – May 2020

- \* Developed an interactive Twitterbot in Python that automated tweeting of Yoda-inspired quotes, images, and sounds, utilizing the Twitter API.
- \* Implemented a randomized content generator to post diverse quotes, images, and sound effects from curated lists, enhancing user engagement.
- \* Leveraged file handling to manage external resources, including a library of quotes and media, for dynamic content updates.

## CERTIFICATIONS

**MTA:** *Introduction to Programming Using Python - Microsoft*

**Alteryx** *Designer Core Certification (In Progress)*

Feb 2024

## TECHNICAL SKILLS

**Languages:** Java, Python, R, JavaScript

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Eclipse