

MD. Yeasir Zawad

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Experience

AI Byters

April 2024 – Ongoing

Data Analyst Intern

Remote

- Conducted web scraping and data analysis using Python to gather and clean job market data, further developed an interactive Power BI dashboard to visualize.
- Developing a financial service tool for forecasting trends and visualizations.

Quantigo AI

January 2021 – April 2021

Junior Annotator

Remote

- Worked as an Image and Video Annotator.

Education

M. Sc. in Applied Statistics and Data Science

2024-2025

Jahangirnagar University

Savar

B. Sc. in Statistics (CGPA: 3.46 / 4.00)

2019-2023

Shahjalal University Science and Technology

Sylhet

Higher Secondary Certificate (GPA: 5.00 / 5.00)

2016-2018

B.A.F Shaheen College Tejgaon

Dhaka

Projects

Analysis of Airbnb in Bangladesh | Python, Selenium, Numpy, Pandas, Power Query, Machine Learning, DAX, Power BI

- Created a robust web scraping pipeline using Selenium to extract Airbnb listings, host information, user reviews of Bangladesh.
- Built an interactive dashboard with PowerBI that analyzed listings, pricing, hosts, and amenities to provide insights for market segmentation and pricing strategies.
- Additionally, utilized user reviews to develop a sentiment analysis model for predicting satisfaction levels from reviews.

Job Market Analysis in Data-Driven Career in USA | Python, Selenium, Pandas, Numpy, Power Query, DAX, Power BI

- Conducted web scraping using Selenium to gather over 11,000 job postings and nearly 5,000 company profiles from Indeed.com.
- Performed data cleaning and statistical analysis, utilizing pandas for processing and transformation, and extracted key skills from descriptions for various data-driven roles.
- Created an interactive Power BI dashboard that visualized job market trends, showcasing in-demand roles, essential skills, salaries, and company profiles across the USA.

Exploring the Involvement in Freelancing (tuition) Activities of Students in SUST | Google Sheets, IBM SPSS, RStudio

- Conducted a comprehensive study involving 400 students from 17 departments using PPS and SRS sampling techniques, and data analysis includes descriptive statistics, chi-square tests, and binary logistic regression modeling.
- Identified key factors influencing students' involvement in freelancing and tuition activities, providing insights into their background characteristics and associations between various factors.

Comparing ARCH and GARCH Models: Analyzing Onion Price Volatility in Bangladesh | Excel, Java, SPSS

- Analyzed onion price volatility in Bangladesh using secondary data from 2011 to 2020, comparing ARCH and GARCH models to understand their effectiveness in capturing volatility spikes and peaks.
- Demonstrated that the GARCH model more accurately represents real-world volatility with higher peaks and no bottom limit, providing a better fit than the ARCH model.

Technical Skills

Languages: Python, R, SQL

Technologies: MS Excel(Power Query) , MS Power BI, DAX, MS Word, MS Powerpoint, Pandas, Numpy

Visualization: MS Power BI, Excel Charts, Matplotlib, Seaborn

Database: MySQL, PostgreSQL

Achievements

- Champion - Inter Department Football - 2023, SUST
- Champion - Badminton (Male Single), Sports-Week 2023, Department of Statistics, SUST
- Runner-Up - Chess, Sports-Week 2023, Department of Statistics, SUST

Certification

- Poster presentation on An Assessment On Online Learning During COVID-19 Pandemic Among Secondary Level Delegates In Bangladesh - Top 10 - Stat-Fest, SUST – Feb 2023.
- Poster presentation on A Comparison between ARCH and GARCH Models: Evidence From The Onion Price Volatility in Bangladesh Over The Past Decades - Top 10 - Stat-Fest, SUST – Feb 2023.
- Associate Data Analyst in SQL– Datacamp

Reference

Dr. Mohammad Taj Uddin

Professor and Head, Department of Statistics, SUST

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Mehrab Mashrafi

Founder and CEO, AI Byters

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