



Data Analyst **PORTFOLIO**

By Amina Muqtadar

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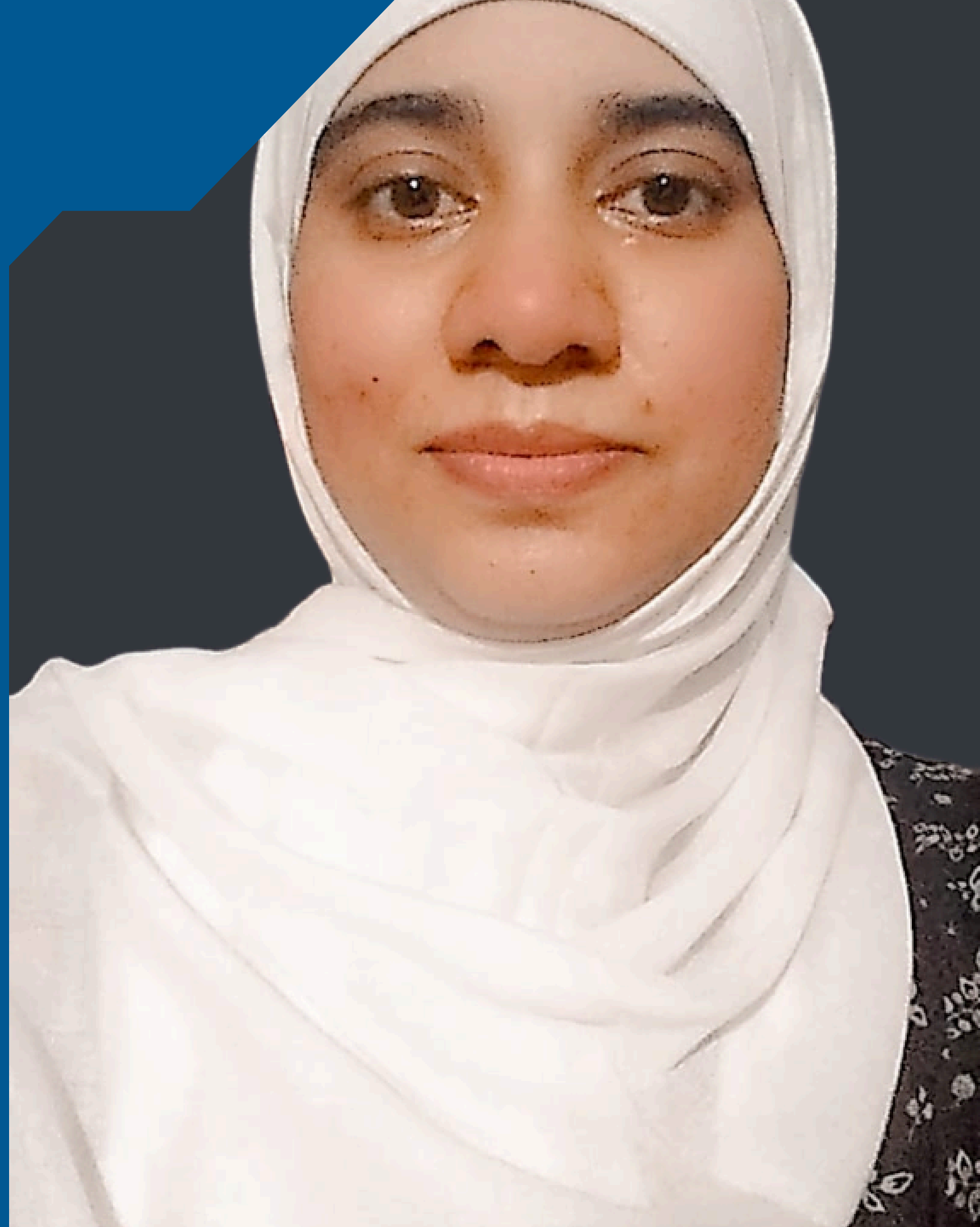
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ABOUT ME

AMINA MUQTADAR

I specialize in exploring, analyzing, and visualizing data to help businesses make informed decisions. My approach combines analytical rigor with creativity, ensuring that data is not just a collection of numbers but a powerful story that drives growth.



VISION

To harness the power of data to drive informed decision-making, innovation, and continuous improvement, ultimately contributing to a smarter, more efficient, and data-driven world.

MISSION

As a data analyst, my mission is to collect, process, and analyze data with accuracy and integrity, transforming raw information into actionable insights. I aim to support businesses in achieving their goals through evidence-based strategies, fostering a culture of data literacy and empowering stakeholders with the tools and knowledge needed to make data-informed decisions.

PERSONAL SKILLS

EXCEL	PYTHON	DATABASE SQL
<p>I'm skilled in using Excel to organize and analyze data. I know how to use functions, create pivot tables, and build reports that make data easy to understand. I can also automate tasks with macros to save time.</p>	<p>I use Python to work with data, whether it's cleaning, analyzing, or visualizing it. I'm familiar with tools like Pandas for handling data and Matplotlib for creating charts. Python helps me automate tasks and dig deep into data to find insights.</p>	<p>I use SQL to get data from databases and work with it. I can write queries to find the information I need, combine data from different tables, and make sure everything runs efficiently. SQL helps me make sure I have the right data for analysis.</p>

EDUCATION BACKGROUND

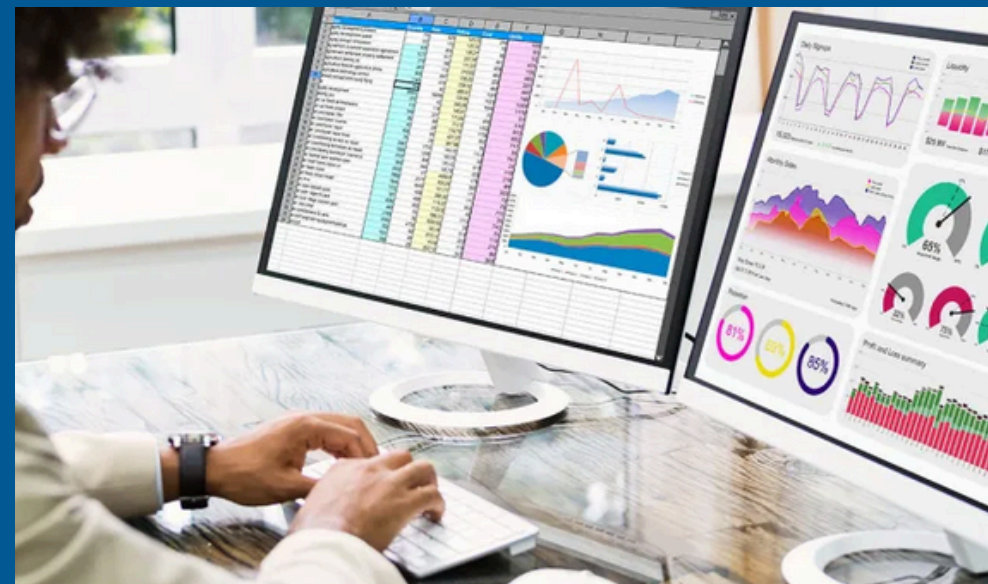
ASSOCIATES IN COMPUTER SCIENCE	CERTIFICATE OF CISCO	COURSERA PROFESSIONAL CERTIFICATES
2024	2024	2024
Virtual University of Pakistan. Total CGPA : 3.57	Introduction of Data Analyst Certificate from Cisco Networking Academy	Data visualization with Excel Data Analysis with Python Databases and SQL for Data Science with Python

PROJECT PORTFOLIO

Transforming raw data into actionable insights through dynamic visualizations, meticulous data cleaning, and automated web scraping. My projects leverage Python to extract, refine, and present data in ways that drive strategic decisions and reveal key trends.



VISUALIZATION



DATA WRANGLING

```
from sys import argv
import requests
import os, re, path, csv

listings = "http://www.sports.com/college-sports/football/recruiting/footballrecruiting/superiorclass/2009/09/

response = requests.get(listings)
soup = BeautifulSoup(response.text, "html.parser")

listings = []
for row in soup.find_all("tr"):
    if ("tdrow" in row["class"]) or ("rowrow" in row["class"]):
        name = row.find("td", class_="name").get_text()
        hometown = row.find_all("td")[1].get_text()
        school = hometown[hometown.find(",")+1:]
        city = hometown[hometown.find(",")+1:]
        position = row.find_all("td")[2].get_text()
        grade = row.find_all("td")[3].get_text()

        listings.append([name, school, city, position, grade])

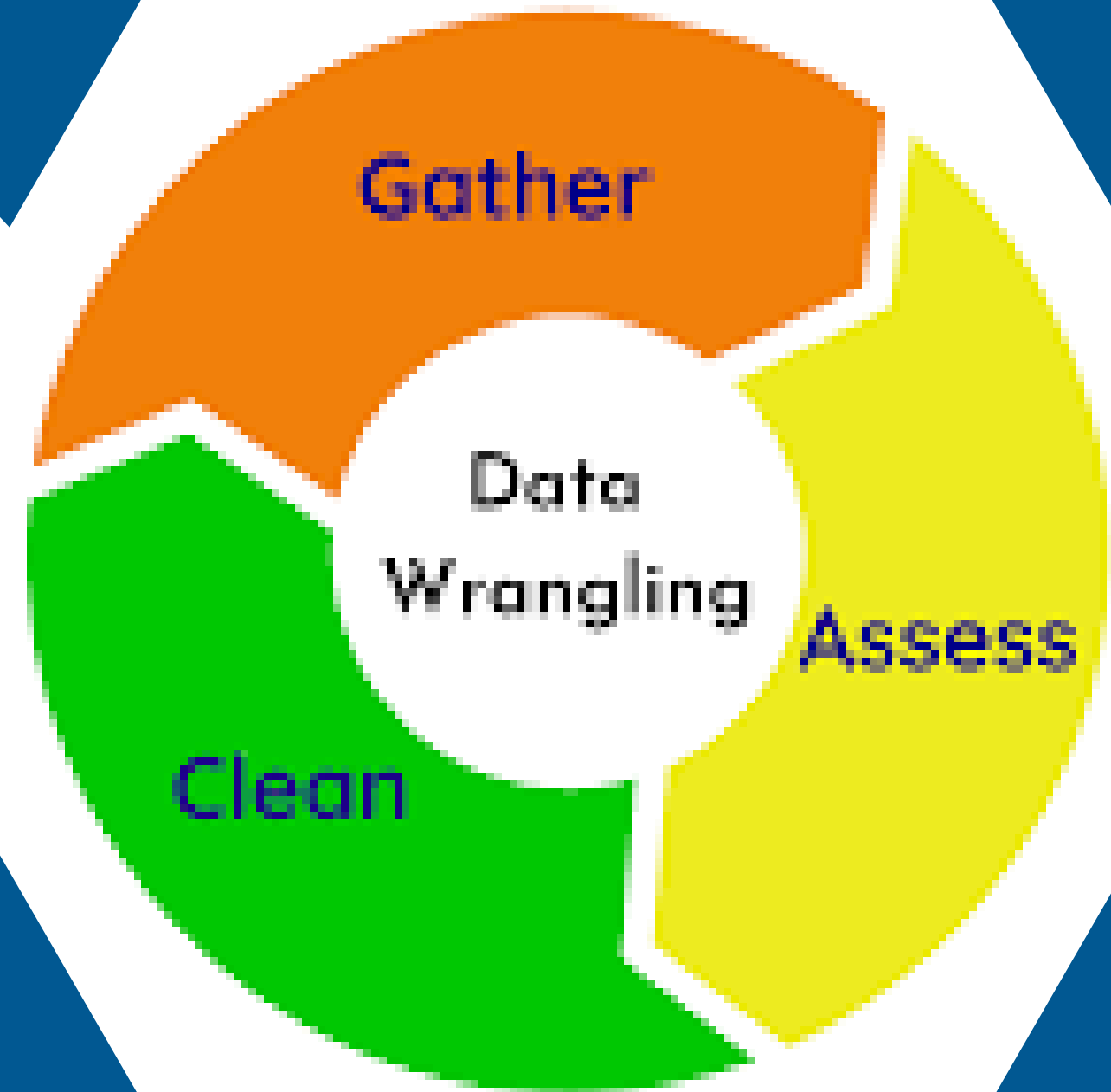
with open("footballrecruiting.csv", "a", encoding="utf-8") as towrite:
    writer = csv.writer(towrite)
    writer.writerows(listings)

print("Done college football listings fetched.")
```

WEB SCRAPPING

VISUALIZATION

In this project, I worked with Tesla and GameStop Revenue. The focus was on identifying key trends and patterns and presenting them through various visualizations. I used Python libraries like Matplotlib for static visualizations, and Plotly for interactive charts. The final output was a series of visual reports that allowed users to explore the data intuitively.



CLEANING & PREPAIRING DATASET FOR DATA ANALYSIS

I started with a raw dataset containing Cars Data that had issues like missing values, inconsistencies, and outliers. Using Python's Pandas library, I performed data wrangling tasks such as handling missing values, normalizing data, merging datasets, and restructuring data formats. The cleaned dataset was then ready for deeper analysis and visualization.



WEB SCRAPING FROM MACRO TRENDS

In this project, I developed a Python script to scrape Tesla Revenue and GameStop Revenue from Macro Trends. The process involved setting up the scraping environment, handling HTML parsing, managing dynamic content with BeautifulSoup, and storing the scraped data in a structured format using Pandas.



CONTACT ME

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GITHUB LINK

<https://github.com/Amina-sudo/Projects>

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THANK YOU