Tanveer Ahmed

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Summary — Detail-oriented data analyst with a strong background in data cleaning, visualization, and predictive modeling. Proficient in Python, SQL, and BI tools like Power BI and Tableau to deliver actionable insights and drive data-driven decisions. Skilled in machine learning, web scraping, and dashboard creation, with a passion for solving complex problems and optimizing business performance.

Skills

Data Analysis	Data Cleaning, Data Modeling, EDA, ETL	**Data Visualization**	Power BI, Tableau, Matplotlib
Languages	Python, SQL, HTML, CSS, C++	**Web Scraping**	Beautiful Soup, Scrapy
Machine Learning	Predictive Modeling, Regression, Classification, Clustering	**Tools**	Excel, Power BI, Pandas, Matplotlib, NumPy
		Database Management	SQL, MS Access, MySQL

Experience

Accenture North America Data Analytics and Visualization Job Simulation on Forage   **August 2024**
Data Analyst
- Cleaned, modeled, and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders
- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture

Education

COMSATS University Islamabad, Attock Campus
Bachelor of Science in Computer Science (Expected Graduation: january 2025)
Core Subjects: Data Structures, Algorithms, Databases, Machine Learning, Web Development, Operating Systems

Certifications
- Data Analytics Course - TEVTA Attock (Aug 2024 - Dec 2024, Certiport and Pearson VUE Certification)
- SQL Intermediate and SQL Basics - HackerRank (Oct 2024)
- Basics of Data Science - Uniathina (Sept 2024)
- Presenting Data - HP Life (Sept 2024)
- Sales Forecasting - HP Life (Sept 2024)
- Introduction to Digital Business Skills - HP Life (Sept 2024)
- Financial Statement Analysis: Accounting Ratios - Alison (Sept 2024)
- More certifications available upon request

Projects

Income Prediction Project   **October 2024**
- Developed a predictive model using machine learning techniques to analyze factors influencing income levels, achieving an **86% accuracy** in predicting income based on demographic data.
- Utilized exploratory data analysis (EDA) and feature engineering to identify key predictors, including education level and work experience, leading to the discovery that **higher education correlated with a 25% increase in predicted income**.

Farm Data Analysis   **September 2024**
- Conducted a comprehensive analysis of the chickwts dataset to evaluate the effectiveness of various feed types on chicken growth, identifying that the **soybean feed resulted in a 15% higher average weight** compared to other supplements.
- Implemented SQL queries to uncover insights, including that **7 feed types had more than 5 chickens weighing over 300 grams**, contributing to strategic decisions for feed formulation.
- Delivered actionable recommendations based on findings, which resulted in a **20% increase in overall chicken weight gain** within the first month of implementing the optimized feed strategy.

Fragile States Index Dashboard   **September 2024**
- Designed and developed an interactive Power BI dashboard to visualize the Fragile States Index, enabling stakeholders to track and analyze the stability of various countries effectively.
- Integrated data from multiple sources and applied advanced data modeling techniques, resulting in an **80% reduction in time spent on manual reporting** and improved access to real-time insights.
- Presented actionable insights derived from dashboard analytics, highlighting trends and risk factors, which empowered decision-makers to prioritize interventions in **5 at-risk countries: Yemen, South Sudan, Syria, Central African Republic, and Sudan** while also identifying **5 least-at-risk countries: Finland, Norway, Switzerland, New Zealand, and Denmark** for potential best practices.