Shadab Akram

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PROFESSIONAL SUMMARY

Passionate data enthusiast with strong foundations in SQL, Excel, Power BI, Python. Recently pursuing Data Science Program that helped develop my skills in data collection, processing, analysis and generating appealing visualizations and dashboards, machine learning, and statistical modeling. I am eager to apply my analytical acumen and data science passion to real-world challenges. Seeking an entry-level position in data science to begin my professional journey and make meaningful contributions to an innovative organization.

EDUCATION

Bachelor of Technology (Electronics and Communication Engineering)2016 - 2020Academy of TechnologyGrade: 7.37/10.0Intermediate (Class XII)2014 - 2015Md Jan High SchoolGrade: 64.0%Matriculation (Class X)2012 - 2013Howrah Hat High SchoolGrade: 55.0%

EXPERIENCE

Instrumentation and Automation Engineer

Inline Engineering and Marketing Services

December 2021 - Present Kolkata

- Experienced Instrumentation Automation Engineer with strong expertise in PLC, HMI, and SCADA systems.
- Proficient in logic development and designing automated control systems for industrial processes.
- Skilled in handling, maintaining, and troubleshooting electrical and field instrumentation devices.
- Capable of creating user-friendly HMI pages and developing effective operator interfaces.
- Strong background in automation system design, wiring, IO mapping, and system integration.
- Experienced in executing complete automation projects from design to commissioning.
- Adept at optimizing plant performance through precise process automation and control strategies.
- Strong problem-solving, analytical thinking, and ability to work effectively in industrial environments.

PROJECTS

Netflix Data Analysis (Github) (Demo) Skill: SQL

June 2025

- This project analyzes Netflix Movies and TV Shows using SQL to extract key insights about content distribution, ratings, genres, countries, and release patterns.
- It solves 15 business problems, including identifying the most common ratings, longest movies, top countries by content, and content released in recent years.
- ullet The project uses SQL functions like UNNEST, STRING $_TO_ARRAY$, window functions, date conversions, and conditional categorization to handle complex data fields. It also explores the string of the string
- Overall, the project demonstrates strong data-cleaning, querying, and analytical skills using SQL to derive actionable insights from a real-world dataset.

Pizza Sales Excel Dashboard (Github) (Demo) Skills: *Microsoft Excel* November 2024

- Designed an interactive dashboard to analyze sales, orders, revenue, and customer buying patterns for a pizza restaurant.
- Identified trends using daily and hourly order analysis, revealing peak days and busiest time slots.
- Analyzed pizza performance by category, size, and individual items to understand contribution to sales.
- Highlighted best-selling and worst-selling pizzas to support menu decisions and inventory planning.
- Included dynamic filters (date, month) to allow users to explore insights across selected time periods.

Credit Card Financial Report - Power BI (Github) (Demo) Skill: Power BI

November 2024

- Analyzed credit card customer demographics, spending behavior, and transaction patterns to understand customer segmentation and profitability.
- Examined transaction trends, including monthly spending, transaction count, card category usage, and payment behaviour across different customer groups.
- Performed spend analysis by card category (Blue, Silver, Gold, Platinum) and spending types like dining, travel, shopping, groceries, and entertainment.
- Mapped customer behaviour with transaction history to identify high-spending clusters, churn-prone customers, and seasonal spending spikes.
- Delivered insights to help the bank improve marketing strategies, credit card product offerings, and customer retention.

Adult Demographics (Github) (Demo)

October 2024

Skills: EDA Feature Engineering

- It conatins 48,842 rows and 15 columns, exploring variables like age, education, occupation, gender, and income to understand demographic patterns.
- Missing values represented by '?' were replaced with NaN, and all rows containing missing values were dropped. Duplicate entries were removed to improve dataset quality and reliability.
- The project analyzed age distribution, workclass distribution, and education levels using histograms and summary statistics to understand the demographic spread of individuals.
- Income labels (0K) were encoded into numeric values (0 and 1). Relationships between workclass vs. salary and gender vs. salary were evaluated to identify earning patterns with the help of data formatting and visualization enhancements.

Trend of Avocado (Github) (Demo)

August 2024

Skills: EDA

- Cleaned and prepared the dataset by handling missing values, formatting dates, and converting data types.
- Conducted univariate, bivariate, and time-series analysis to understand seasonal price patterns and sales behavior.
- Analyzed regional and type-wise performance to compare demand across markets and between organic vs conventional avocados.
- Created impactful visualizations using Matplotlib and Seaborn to communicate key insights clearly.
- Provided data-driven insights that can help optimize pricing strategies, regional supply planning, and sales forecasting.

Imdb Movie Analysis - SQL (Github) (Demo)
Skill: SQL

August 2023

• This project uses SQL to analyse the IMDb movie database and help Bolly Movies make data-driven decisions for their 2022 global film release.

- It includes complete database exploration, movie release trends, production patterns, genre popularity, and ratings behaviour.
- The analysis identifies top genres, hit movies, leading directors, actors, and high-performing production houses using advanced SQL techniques.
- It also covers deeper insights like running totals, moving averages, multilingual movie performance, and top-grossing films by year.
- Finally, the project provides strategic recommendations on what type of content Bolly Movies should focus on producing to achieve global success.

CERTIFICATIONS

Microsoft Power BI Desktop for Business Intelligence Udemy (Link)

February 2024

This certification involved hands-on projects and real-world scenarios, ensuring practical experience in using Power BI for effective data storytelling and business analysis.

Skill: Microsoft Power BI

Professional Certification in Data Science Newton School (Link)

December 2022

The certification included hands-on projects and real-world case studies, strengthening problem-solving skills and preparing for practical applications in data-driven roles.

Skill: Python, SQL, Power BI, EDA, Machine Learning, Microsoft Excel, Tableau

SKILLS

Computer Languages: SQL, Python

Data Tools: Power BI

Software Packages: MySQL, Excel, Matplotlib, Pandas

Soft Skills: Communication Skills, Teamwork, Decision-making, Time management, Leadership