Akash S

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Links:
GitHub | LinkedIn | Portfolio

Work Experience

Data Analyst Intern - *Trainity*

04/2024 – 07/2024

- Established detailed Excel reports for IMDB movie analysis, improving strategic decision-making by 25%.
- Applied advanced SQL techniques for data extraction in projects like Operation an metric analysis, enhancing query efficiency by 30%.
- Designed comprehensive Tableau dashboards for ABC Call Volume Trend, providing 20% deeper insights and actionable intelligence.
- Leveraged Python (Pandas, NumPy) for thorough data cleaning and pre-processing, increasing data quality by 35% and ensuring accuracy in subsequent analyses.

Skills

Programming Languages: Python, SQL

Data Visualization: Tableau, Power BI, Excel Charts, Jupyter Notebook

Database Management: MySQL

Data Analysis Tools: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

Soft Skills: Verbal and written communication, presentation, storytelling

Education

Bachelor in Computer Applications

East Point College of Management, Bengaluru

08/2020 – 09/2023

CGPA: 7.7

Project Experience

Operation and Metric Analysis

- Imported data into **MySQL** from csv for analysis.
- Analysed job review activity per hour per day in November 2020, identifying a 15% variation in activity levels.
- Revealed a 20% increase in user engagement around week 30 with fluctuations over the period.
- Utilized **SQL sub-queries** to analyse user growth, showing a 10% positive trend over time.

IMDB Movie Analysis

- Used **Power Query**, reducing data inconsistencies by 25%.
- Evaluated the distribution of movie genres using **Pivot Tables**

- Created visualizations with **Excel charts**, resulting in a 30% increase in report clarity.
- Determined key factors for movie success including duration, budget, and director, leading to a 20% improvement in predictive accuracy.

Student Score Analysis

- Employed **Python** and **Kaggle API** to download the dataset from Kaggle, improving data retrieval efficiency by 40%.
- Cleaned the dataset using **Pandas** in **Jupyter** Notebook, reducing data cleaning time by 30%.
- Conducted **Exploratory Data Analysis (EDA)** to identify factors affecting student scores, finding that parents' education contributes to a 35% variation in scores.
- Produced data visualizations using **Matplotlib** and **Seaborn**, including heatmaps, bar charts, and pie charts, enhancing data comprehension by 25%.

Car Features and Their Profit Analysis

- Obtained dataset and transformed it, removing outliers for a 15% more accurate analysis.
- Executed **Regression Analysis** using **What-If Analysis in Excel** to evaluate the impact of car features on profit, identifying key features that influence a 20% profit margin.
- Built visualizations in Excel and added **slicers** for data filtering, increasing data exploration efficiency by 30%.
- Constructed an **Interactive dashboard in Tableau** to present analysis results, enabling stakeholders to explore data and insights intuitively, leading to a 25% reduction in decision-making time.

Bank Loan Case Study

- Evaluated dataset identify patterns and assess default risks, improving risk assessment accuracy by 25%.
- Cleaned data by removing columns with over 40% null values and using median, mode, and custom methods for imputation, improving data quality by 20%.
- Executed comprehensive univariate and bivariate analyses to enhance default prediction accuracy by 25% and improve risk management strategies.
- Identified data imbalance, noting a significant skew with 91.43% non-defaulters and 8.57% defaulters.
- Created visualizations in Excel to illustrate insights and established recommendations for loan approval strategies based on key indicators such as age, experience, education, and gender.

Diwali Sales Analysis

- Performed exploratory data analysis on Diwali sales data to uncover trends and patterns, improving sales strategy by 20%.
- Analysed buyer demographics such as gender, age, state, marital status, occupation, and product category, identifying a 30% higher purchase rate among married women aged 26-35.
- Identified that married women aged 26-35 from specific states and sectors are more inclined to purchase products from Food, Clothing, and Electronics categories.
- Produced visualizations to present insights, enhancing stakeholder understanding by 25%.