Mankirat Singh

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SKILLS

Programming languages: Python, SQL, R
Data Visualization tools: Tableau, Power BI (DAX, Power query, M-language)
Database management: MySQL, MSSQL, PostgreSQL, T-SQL
Analytics tools: Google Analytics, Looker, Alteryx, SAP Analytics Cloud, Hana, SAP Datasphere, MS Excel

CERTIFICATIONS

Microsoft Power BI Data Analyst Associate, Microsoft certified: Azure Fundamentals, AWS Academy Cloud Foundations graduate, Alteryx Core Designer, more

EXPERIENCE

M/S Witball Co., *Business Intelligence Analyst*   Jan 2021 - Mar 2022
- Analyzed website traffic of 1.5M users using **SQL** queries to identify trends, providing actionable insights for strategic decision-making and improving Key Performance Indicators (KPIs).
- Leveraged **Google Analytics**, **Power BI DAX expressions,** improving user engagement by 20% and reducing bounce rate by 25% through data-driven content optimization and segmentation strategies.
- Developed and maintained dashboards in Power BI to visualize key performance metrics, ensuring data accessibility and usability for stakeholders.
- Conducted **A/B tests** on article formats and ad placements using SQL to track performance, increasing click-through rates by 2%.
- Performed competitor analysis using **SQL** and visualized key metrics in **Power BI reports** to maintain a competitive edge in the sports and entertainment niche.

DJSCE, *Research Analyst*   Dec 2020 - Feb 2021
- Analyzed data from 240 Electronics department students at DJSCE, including academic performance, post-graduate university placements, and final employment outcomes.
- Leveraged **Excel (VLOOKUP)** and **Tableau Desktop** to develop interactive dashboards and visualizations, providing key insights into student performance and career trajectories.

MedTourEasy, *Business Analyst Intern*   Oct 2020 - Dec 2020
- Utilized advanced Excel functions and **R programming** to analyze Electronic Hospital Records (EHR) of 3,000 patients, enabling efficient   resource allocation for patient care.
- Engineered a **predictive model** in RStudio using blood culture and antibiotics data to identify sepsis infections based on four criteria.

PROJECTS

Spotify - ETL pipeline using Python and Airflow   Jun 2023 - Jul 2023
- Developed an **ETL** pipeline using Spotify's API to extract, transform, and load data into an SQLite database.
- Implemented data quality checks using Pandas to ensure the integrity of the data.
- Setup a Directed Acyclic Graph (DAG) in **Airflow** using **Docker** to define and schedule tasks for the ETL process.

RSM US LLP - Alteryx Datathon Finalist   Feb 2023 - Mar 2023
- Recommended the top 3 locations for RSM US LLP to host an in-person conference, helping reduce operational costs by 30% and saving over $75,000.
- Analyzed travel, hotel, facility costs, time to identify cost-effective options using **Excel Pivot Tables** and **Alteryx Designer**.
- Visualized key findings with **Tableau Desktop** to support data-driven decisions for conference location selection.

Startup Venture Funding Analysis   Aug 2021 - Jun 2022
- Analyzed data of 50,000 startup companies and built an insightful dashboard in Tableau Desktop to guide entrepreneurs and investors on sector and company investment decisions.
- Utilized **CTEs, window, and aggregate functions** in MySQL to extract **key performance indicators (KPIs)** such as profit margin and revenue growth, helping inform investment strategies.

EDUCATION

The University of Texas at Dallas   Aug 2022 - May 2024
Master of Science, Business Analytics   **GPA: 3.77**