Mankirat Singh

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SKILLS: Programming languages: Python, SQL, R Programming
Data Visualization tools: Tableau, Power BI (DAX, Power query, M-language)
Database management: MySQL, MSSQL, PostgreSQL**,** T-SQL
Analytics tools: Looker, Google Analytics, Alteryx, SAP Analytics Cloud, Hana, SAP Datasphere
MS Office Suite: Advanced MS Excel (VLOOKUP, Power pivot, What-If Analysis), PowerPoint, Word, Outlook

CERTIFICATIONS: Microsoft Power BI Data Analyst Associate, AWS Academy Cloud Foundations graduate, Tableau Desktop I & II, Alteryx Core Designer, [more](#)

PROFESSIONAL EXPERIENCE

MadAboutEPL, *Business Intelligence Analyst*   January 2021 - March 2022
- Analyzed website traffic of about 1,500,000 users' engagement, and relevant metrics to identify trends, patterns.
- Leveraged Google Analytics for insights increasing user engagement by 20% and decreasing bounce rate by 25% through targeted content optimization and segmentation strategies.
- Conducted A/B tests on article formats and ad placements contributing to a 6% improvement in click-through rates and regular competitor analysis to maintain competitor edge in the football and sports website niche.

MedTourEasy, *Business Analyst intern*   October 2020 - November 2020
- Enabled stakeholders to operate in a cost-effective manner and allocate resources efficiently for patients.
- Utilized **Advanced Excel functions** and R programming to wrangle electronic health records (EHR) of **3000 patients** to determine if doctor ordered blood test to look for bacteria and gave patient antibiotics.
- Engineered model in RStudio leveraging blood culture and antibiotics data to identify patients having severe infection of Sepsis based on four different criteria.

The University of Texas at Dallas, *Student Mentor*   November 2022 - May 2023
- Displayed strong **leadership,** written and verbal **communication** skills in **mentoring** incoming/current MS in Business Analytics students.

PROJECT EXPERIENCE

Spotify - ETL pipeline using Python and Airflow   June 2023 – July 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.   February 2023 – March 2023
- Reduced the operational costs by 30% and helped the company save more than $75,000.
- Recommended top 3 location options in the US based on travel cost, hotel accommodation, facility cost and time for RSM US LLP to host an in-person conference for the employees.
- Leveraged **Excel Pivot table**, **Alteryx Designer** for data analysis & visualized the findings using **Tableau Desktop**

Startup Venture Funding Analysis   August 2021 - June 2022
- Assisted entrepreneurs/investors deduce which sector and companies they should look for when investing.
- Analyzed data of 50,000 startup companies and created insightful **dashboard** using Tableau Desktop
- Used **CTE's, window & aggregate functions** on **MySQL** database to obtain useful **KPI's** like profitmargin, revenue growth.

Analysis of student placements/post-graduate career   December 2020 - February 2021
- Managed and analyzed data of 240 students from the Electronics department at DJSCE like previous marks, performance at DJSCE, post-graduate universities and final placement companies.
- Employed **Excel (VLOOKUP)** and **Tableau Desktop** to create graphs and dashboards.

EDUCATION

The University of Texas at Dallas   August 2022 - May 2024
Master of Science, Business Analytics   **GPA: 3.77**
IBM specialization degree   August 2018 - May 2022
Data Analytics