Dhaval Patel

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Objective:

Seeking a challenging Data Analyst role where I can apply my extensive experience and skills in SQL, Python, and data visualization tools like Tableau and Power BI. With a Master's degree in Data Science and hands-on experience in medical data analysis, ETL optimization, and strategic pricing models, I am committed to driving impactful decisions and fostering data-driven innovation. Eager to contribute to a dynamic team by leveraging my proficiency in diverse databases, cloud services, and software tools to deliver actionable insights and enhance organizational efficiency. Passionate about solving complex problems and dedicated to utilizing data to inform strategic initiatives and positively impact business outcomes.

Education:

Masters of Science in Data Science, New Jersey Institute of Technology **May 2023**

Relevant Courses:
Applied Statistics, Data Analytics with R, Machine Learning, Database Management Systems, Deep Learning, Web Mining, Data Mining, Data Analytics for Information System

Certification: Cisco Networking Academy: Data Analytics Essentials

Skills:

Programming Languages: Python, R, SQL
Data Analysis: Pandas, NumPy, TensorFlow,Matplotlib, Seaborn, Beautiful Soup, NLTK, Scikit learn, Keras
Database & Cloud: MySQL, PostgreSQL, Oracle, Redshift, AWS, Azure, Snowflake
Software Tools: MS Excel, JupyterLab, Visual Studio, GitHub, R Studio, Tableau, Power BI

Experience:

Data Analyst, Molina Healthcare **Feb 2023 - Feb 2024**

- Applied R and NumPy for advanced statistical analysis of medical records, resulting in a 15% increase in successful diagnosis rates and identification of critical health trends and outliers.
- Optimized ETL performance for medical datasets, achieving a 20% decrease in data integration time for patient management systems through algorithm refinement and parallelization.
- Leveraged Python's Matplotlib, Seaborn, and Plotly for data visualization, creating informative charts and graphs that facilitated insightful data presentations to stakeholders.
- Spearheaded the creation of automated reports within a 2-week deadline, utilizing Python scripts and Microsoft Flow, and contributed to the development of a predictive model enhancing patient outcomes by 15%.
- Resolved a 9-month recurring complex data mapping issue, reconciling a 91% discrepancy in the health plan cost of clients, and contributed to a 40% decrease in overhead costs through analysis of insurance claims data for patients.

Data Analyst, Neebal Technologies **Sep 2019- Jun 2021**

- Collaborated with cross-functional teams to identify improvement opportunities by analyzing key metrics and KPIs related to user acquisition, retention, and monetization.
- Analyzed 40GB of data to formulate optimal pricing strategies for 10 new products, resulting in a $2M annual revenue increase.
- Streamlined reporting processes by building automated dashboards in Tableau, reducing report creation time from hours to 15 minutes each.
- Utilized data analysis from 25,000 monthly active users to inform marketing and product strategies, doubling average app engagement time and reducing drop-off rates by 30%.
- Led a major pricing restructure, implementing a three-tiered pricing model based on consumer willingness to pay, resulting in a 35% increase in average sales and a 12% improvement in margin.

Projects:

Goal Zone Heatmapper (Python, BeautifulSoup, Seaborn)

- Utilized BeautifulSoup in Python for precise extraction of player statistics data directly from website source code.
- Transformed raw data into structured CSV format, enhancing accessibility and usability for subsequent analysis.
- Displayed expertise in data exploration and manipulation through Pandas and NumPy, extracting actionable insights from extensive datasets.
- Innovatively translated raw player strike coordinates and football pitch dimensions into an engaging heatmap, showcasing comprehensive data visualization skills.
- Seamlessly integrated web scraping, data transformation, and advanced visualization, demonstrating a profound skill set in data utilization.

Patient Vaccination Trends Analysis (SQL,Tableau)

- Executed complex SQL queries to extract pertinent information on patients who received flu shots in 2022 from diverse tables, ensuring data integrity and accuracy in the retrieval process.
- Transformed the SQL-extracted data into a Tableau dashboard, showcasing insightful visualizations including bar graphs depicting patients of different races and age groups, a geographical map illustrating patient distribution across counties, and an area graph tracking the running total of individuals who received the flu shot.
- Developed a dynamic Tableau table displaying a detailed breakdown of patients who opted for the flu shot and those who did not, providing a comprehensive overview of vaccination trends.
- Implemented performance metrics through two scoreboards, presenting the total number of patients and the count of individuals who successfully received the flu shot, highlighting the project's impact on public health.