Sarvesh Jagannivasan

Data Analyst

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Profiles

Sarvesh Jagannivasan
LinkedIn

SarveshJagannivasan0512
GitHub

Skills

Python

Pandas, Scikit-Learn, Statsmodel, Scipy, Numpy, Seaborn, Matplotlib, Plotly

SQL

Joins, Subqueries, Query Optimization, CTE, Views, MySQL, Window Functions, Advanced SQL

Statistics Analysis

Hypothesis Testing, A/B Testing, Z-Test, T-Test

Machine Learning

Regression, Classification, Clustering, Hyperparameter Tuning, PCA, Regularization, Neural Network(ANN)

Data Visualization

Power BI

Soft Skills

Critical Thinking, Adaptability, Time Management, Collaborative, Effective Communication, Organizational Skill, Communication

Education

Great Lakes Institute of Management

Data Science and Engineering
85%
  Nov 2023- June 2024
Post Graduate Program

E-Portfolio: https://eportfolio.mygreatlearning.com/sarvesh-jagannivasan

SRM Easwari Engineering College, Chennai

Mechanical Engineering
CGPA-8.64
August 2017- April 2021
Bachelor of Engineering

Profile Summary

Data Analyst with 2+ years of experience managing complex datasets and providing actionable insights. Proficient in SQL, Python, and data visualization tools. Strong foundation in statistics and machine learning, skilled in developing predictive models to optimize business operations.

Experience

Tata Consultancy Services   July 2021- September 2023

System Engineer   Chennai

- Transformed and analyzed Facility Management System (FMS) data for a banking project using Python and SQL, enhancing KPIs such as space utilization and energy consumption, which led to a 15% improvement in operational efficiency. Leveraged advanced SQL techniques, including window functions and CTEs, to streamline data workflows.
- Collaborated closely with stakeholders to implement actionable insights derived from exploratory data analysis (EDA) and data mining. Improved resource allocation and maintenance processes, which reduced costs and enhanced asset management efficiency by identifying key usage patterns.
- Developed custom dashboards and reports using Power BI and Matplotlib, effectively visualizing trends in energy consumption and service requests. This proactive approach provided data-driven insights that guided strategic decisions, optimized cost forecasting, and improved maintenance resolution times by 10%.

Projects

Predicting Patient Readmissions with 10-Year U.S Hospital Data   May 2024

A Multiclass Classification methodology using Python

- Performed comprehensive EDA on 10 years of healthcare data using Matplotlib, Seaborn, and Plotly, visualizing key metrics like readmission rates and patient demographics. Applied statistical tests (ANOVA, Chi-Square, T-tests) to uncover insights, and implemented data cleaning to address missing values and outliers.
- Optimized a Gaussian Naive Bayes model to predict 30-day readmissions, improving accuracy by 11% (from 49% to 60%) through effective class imbalance handling, supporting proactive care management.

SQL-Driven IPL Bidding and Leaderboard System with Dynamic Match   April 2024
Scheduling and Point Management

Leveraging SQL and Advanced SQL

- Developed optimized SQL queries utilizing aggregation functions, JOINs, and window functions (RANK, ROW_NUMBER) to calculate win percentages, match statistics, and rank IPL teams and bidders. Efficiently handled complex business logic through correlated subqueries, HAVING clauses, and CASE statements for conditional calculations like toss win rates and performance evaluation.
- Applied DATE functions and GROUP BY for time-based analysis, including month-wise bidder points and tournament duration. Combined JOINs and subqueries to generate detailed, accurate reports, enabling robust and flexible insights into team and bidder performance.

Comprehensive Loan Performance Dashboard for Financial Insights   October 2024

Leveraging SQL and Power BI

- Developed an integrated Power BI-SQL dashboard to track key loan metrics, including Total Loan Applications, Funded Amount, and Good vs Bad Loan breakdowns, with Month-to-Date (MTD) and Month-over-Month (MoM) analysis.
- Combined SQL queries and Power BI visualizations in a Details Dashboard, enabling stakeholders to assess financial health through metrics like Total Received Amount and Average Debt-to-Income Ratio (DTI).