

Sudarsan Haridas

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[LinkedIn](#) | [Tableau Public](#) | [Academic Projects](#)

EXPERIENCE

BI Tools – Term Project Part A (Power BI)

- Established a robust data model by connecting tables based on athlete names and utilized DAX functions to calculate the average number of medals by sport and provided insightful visualizations that highlight trends.
- Developed impactful visualizations using bar charts, pie charts, time-series charts, and geographic analyses and addressed analysis questions with clarity, showcasing key findings such as the dominance of the United States and the impact of hosting on medal counts through well-crafted visual reports.

BI Tools – Term Project Part B (Tableau)

- Conducted a detailed trend analysis using linear trend lines for patient visits, revealing fluctuation and suggesting a slight upward trajectory over time and utilized calculated fields to determine average wait times.
- Employed forecasting techniques to predict patient visits for upcoming months, providing valuable insights into potential changes and visualized the distribution of patient ages, highlighting common age ranges and emphasizing the age-related patterns with the patient demographic.

Regression Project (ML Projects - Project01)

- Achieved a remarkable RMSE OF 0.468 and an impressive R^2 value of 0.936 in the best performing model.
- Executed feature scaling and transformation strategies, optimizing regression models to yield minimized coefficients, delivering a 30% reduction in margin of error and enhancing the overall precision.
- Applied feature selection methods, focusing on the top 6 correlated columns out of a pool of 18, ensuring optimal balance between model accuracy and over-fitting risks.

Classification Project (ML Projects - Project02)

- Employed a diverse range of classification algorithms to assess the locality-based classification of parking meters, achieving an overall accuracy of only 65%.
- Demonstrated proficiency in regression algorithms, predicting the average amount spent on parking in a week and navigated challenges arising from the aggregated nature of the target variable and minimal variance.

EDUCATION

Douglas College

Post Degree Diploma - Data Analytics

Dec 2023

New Westminster, BC

- Honors : Dean's List Winter 2023 & Fall 2023 (GPA 4 and above)
- GPA - 3.93/4.33 (Gold Cord Recipient - GPA 3.6 and above)

Amrita Vishwa Vidyapeetham (Coimbatore)

Bachelors in Technology - Mechanical Engineering

Jun 2021

India

- GPA - 7.10/10.0 (First Class)

SKILLS

- Technical Skills:** Tableau, Power BI, SQL Server, SSMS 19, Python, Mongo DB, MySQL, R, C#
- Soft Skills :** Analytical Skills, Problem-Solving Abilities, Collaboration, Communication
- Learning :** AWS Cloud Fundamentals, PySpark