Mr Darshan HK

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Profile

Aspiring Data Scientistwithastrongfoundationin Python programming, data analysis, and machinelearning. Eagertocontributeanalyticalandtechnical skillsto solve real-world problems andgeneratebusinessinsights. Recentgraduatewithhands-on experience in datavisualization, webscraping, andstatistical modeling.

Skills

Languages & Libraries:
Python (NumPy, Pandas, Matplotlib), SQL, Excel, Web Scraping.

Visualization Tools:
Power BI, Tableau.

Machine Learning Algorithms:
Supervised: Linear Regression, Logistic Regression, Decision Tree, K-Nearest Neighbors (KNN).
Unsupervised: K-means Clustering

Data Science Practices:
Data Cleaning, Feature Engineering, Exploratory DataAnalysis (EDA), Model Evaluation, Recursive Feature Elimination (RFE).

PROJECTS

GitHub:https://github.com/Darshan-H-K LINK

1.Analyzing Housing Dataset

- Used Recursive Feature Elimination(RFE) and Multiple Linear Regressionto predict housing prices.
- Applieddatacleaning, correlation analysis, and model evaluation.

2. Bike Sharing Demand Analysis

- Builta Linear Regression modelto estimate demand based on seasonal and temporal data
- Used Pandasformanipulation and Matplotlib for data visualization.

3. Telecom Churn Prediction

- Applied Logisticregressiontotelecomchirndataset to predict customer churn.
- Performed EDA, featureselection, and model validation.

4. Australia Weather Prediction

- Used Logistic Regressiontopredict rain occurrence.
- Handledmissingvaluesand engineeredfeatures for improved model accuracy.

5. Zomato Decision Tree Classifier

- Builta Decision Treemodel to classify based on cuisine, rating and cost.
- Visualizeddatatrendsusing Power BI and Matplotlib.

6. Cricket Player Segmentation

- Applied K-Means Clusteringon cricket player statsto group similar performers.
- Createdclustersbasedon performance metrics for talent scouting.

7. IMDb Movie Recommendation with KNN

- Builtamovierecommendation system using K-Nearest Neighbors.
- Utilizeduserratingdata and movie metadata for similatity calculation.

CERTIFICATION

Data Science, Machine Learning and Python Course in NUCOT, 2025

Education

B.SC IN COMPUTER SCIENCE | 2023 | NATIONAL INSTITUTE OF ENGINEERING, MYSURU

Activities and Interests

Environmentalconservation, art, hiking, sports, travel.