

Jestin Jose

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Highly motivated and detail-oriented data science enthusiast with a strong academic background in Data Science and hands-on experience in data analysis and machine learning. Proficient in Python, R, and data visualization tools. Eager to leverage my knowledge and skills to contribute to the success of a data-driven organization as a Junior Data Scientist. A quick learner with a passion for solving complex problems using data-driven insights.

EDUCATION

IBM Data science Professional Certificate (Coursera.Inc)

Mar 2023 – Aug 2023

Bachelor of Science (B.S) - Computer Science, (GPA:3.83)

Aug 2019 - Dec 2022

Northeastern Illinois University, Chicago, IL

Achievements: Graduated with Magna Cum Laude Honors

RELEVANT EXPERIENCE

Capstone Project: SpaceX Landing Outcome Prediction

May 2023 -July 2023

Python, NumPy, pandas, Scikit learn, Seaborn, Folium, SQLite

- Gathered historical data on SpaceX Falcon 9 launches, including various mission parameters, environmental conditions, and previous landing outcomes.
- Performed exploratory data analysis to gain insights into the dataset, identifying patterns and correlations that could influence landing success.
- Conducted data preprocessing, including handling missing values and feature engineering to prepare the data for modeling.
- Implemented a classification model using Linear Regression, SVM, Decision Tree Classifier algorithms to predict landing outcomes (success or failure).
- Employed cross-validation techniques to assess model performance and fine-tuned hyperparameters to achieve optimal results.
- Visualized model performance metrics using confusion matrix, including accuracy to interpret and present the results effectively.
- Achieved an accuracy of 88% on the test dataset, demonstrating models' effectiveness in predicting SpaceX landing outcomes.
- Identified key factors that significantly influence successful and failed landings of SpaceX.

House Price Prediction Project

May 2023 -July 2023

Python, NumPy, pandas, Scikit learn, Seaborn.

- Utilized a dataset of real estate sales to predict house prices using machine learning algorithms.
- Performed data cleaning and handled missing values to prepare the data for modeling.
- Explored the dataset through data visualization to gain insights into the distribution of house prices and feature correlations.
- Implemented Simple Linear Regression model and evaluated its' performance using r-squared metrics.
- Fine-tuned the best-performing model using regularization techniques to achieve better accuracy on test dataset.

TECHNICAL SKILLS

- Programming Languages: Python, R, Java
- Data Analysis: Pandas, NumPy, SciPy
- Data Cleaning and Preprocessing
- Data Visualization: Matplotlib, Seaborn, Dash, Tableau
- Machine Learning Libraries: Scikit-learn.
- Strong knowledge of Machine Learning Algorithms
- Statistical Analysis, Predictive Modeling
- Database Management: SQL, SQLite
- Tools: Jupyter Notebook, Visual Studio Code, Microsoft Excel, Microsoft PowerPoint
- Big Data: PySpark (Basic)
- Web Scraping: BeautifulSoup4
- Cloud Computing: AWS(Basic)

KEY ATTRIBUTES

- Strong problem-solving and analytical skills.
- Excellent communication and teamwork abilities.
- Enthusiastic learner, actively engaged in online data science communities and courses.