SIDDHARTH NAUTIYAL

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Siddharth Nautiyal Siddharth

A competent and result oriented person, who is disciplined and enthusiasts in managing work. Throughout my academic and professional career, I have gained experience in various programming languages such as Python, R, Excel and SQL. I have also worked with various data analytics and machine learning tools such as Pandas, NumPy and Matplotlib.

INTERNSHIP

Prodigy Infotech | *March 2024 – April 2024*

- **Data visualization task with the help of Python Library such as Matplotlib and seaborn.**
- **Exploratory Data Analysis (EDA)-Handling missing data, transforming, and visualizing the data.**
- **Hands on Experience on Decision Tree Classifier on real banking and marketing data.**

EDUCATION

MSc. Data Science | Christ University Pune Lavasa | *2023-2025*

BSc. PMS | DAV.PG College Dehradun | *2019-2022*

XII (CISCE) | New Doon Blossoms School | *2019*

X (CISCE) | New Doon Blossoms School | *2017*

SKILLS

Technical skills : Python, Java(Basic) ,R software(Basic),Azure(Basic), Data Analysis, MySQL, MongoDB(Basic), MS Excel, Web Development, Django(Basic), HTML & CSS (Basic), Machine Learning .

Soft Skills : Presentation Skill, Team Work, Problem Solving, Communication Skill

PROJECTS

Analyzing International Conference feedback data

- Currently working on this data, where the conference was **conducted by LET US DREAM** on November 3-5, 2023, at CHRIST University - Bangalore.

Predicting California Housing Prices with Linear Regression Model

- A linear regression model was built in Python to predict California housing prices. The model considers various housing and geographic features, and underwent preprocessing like normalization and missing value handling. Different configurations were tested, including with and without intercept and scaling. The model with intercept and scaling achieved the best performance, with an R^2 score of 0.63 on training data and a RMSE of 69656 on test data. This model was chosen for deployment due to its accuracy in predicting housing prices.

Predicting IPL Match Winners with XGBoost

- This project built an IPL match winner prediction model using the XGBoost algorithm. The model analyzes historical data like teams, players, and toss results to predict winners. After cleaning and preparing the data, the model was trained with various settings to achieve its best performance. While the training data was perfectly predicted, the test data showed a 79.02% accuracy, indicating a strong ability to forecast winners based on past matches. It's important to remember that cricket has inherent uncertainty, so the model's accuracy may not always be perfect.

Lost and Found website

- Using Django, html and css. In this project we emphasizes the teamwork aspect and highlights the CRUD functionality (Create, Read, Update, Delete) which is a core feature for managing lost and found items.

Exploratory Data Analysis (EDA)

- In this project we dives into the world of Christ University students! We used google form and interviews to gather data about their studies and what after-school activities they were involved in. Then, with the help of Python, we analyze this data to uncover hidden patterns and trends.

CERTIFICATIONS:

Microsoft Learn

- **Introduction to Azure**
- **Describe cloud computing.**
- **Explore Core Data Concept**