Cascode Internship Programme

Requirements to Get Completion Certificate

- For successful completion of Internship you need to complete 3 tasks from the given task.
- You can complete all tasks to get LoR and enhance your skills.

CasCode Internship Programme

- We offer internships and project-based learning opportunities that allow young professionals and students to gain real-world skills and build their portfolios.
- Our mission is to provide accessible and impactful learning experiences that help individuals reach their full potential.

How to Submit Task

- Create separate github repository for each task.
- Push the code for each task to respective repository.
- Submit the notebook file in the Submission form.
- Submission form will be shared later till then you can work on the task.

Data Science Internship
Task List

Task 1 : EDA

- Perform an proper exploratory data analysis on the given student_data dataset using libraries like numpy, pandas, matplotlib, seaborn,etc,
- Use at least 10 different functions of numpy and pandas
- Plot any 5 graphs using data visualization technique. Give proper title, labels and legend to each graph.
- Use 2 multiple graph technique on the dataframes that are created by you.

Task 2 : Data Cleaning

- In this project you have to use the following anomalies detection techniques to deal with anomalies and replace them.
- Use the same Student_Data dataset for anomaly detection.
- Techniques that are to be used-
  1. Median based anomaly detection
  2. Mean based anomaly detection
  3. Z-score based anomaly detection

Task 3 : House Price Prediction

- Perform EDA on the given house_prices dataset.
- After proper analysis use suitable algorithm that can be used to predict the price of the house based on its area.
- After the application of the suitable algorithm predict the prices of at least 5 houses. (Take the housing areas as you wish)

Task 4 : Non- Supervised Learning

- Perform clustering algorithm on the given mall_customers dataset.
- Cluster the data on the basis of annual income and spending score columns.
- Use elbow method to determine the number of clusters.
- Plot those clusters using 3D scatter plot and give a specific symbol for each cluster.

Ask us for Any Help