CognoRise INFOTECH

COGNORISE INFOTECH

Learn -- Innovate -- Thrive

DATA SCIENCE INTERNSHIP

ABOUT US

CognoRise Infotech thrives as a dynamic and varied community that unites individuals with akin aims and eventual achievements. Our primary concentration resides in establishing prospects that encompass a multitude of domains, encompassing the enhancement of leadership acumen, knowledge acquisition, engagement amongst students, and the cultivation of mutual interests.

We hold a steadfast belief in the potency of leadership and its capacity to propel constructive transformation. Hence, we furnish platforms and reservoirs of support for members within our community to cultivate their leadership proficiencies. By means of mentorship initiatives, interactive workshops, and synergistic undertakings, we endow individuals with the authority to assume leadership positions and engender meaningful alterations in their respective domains.

INSTRUCTIONS

o   Update your linkedln profiles.

o   For the internship ,you will need to complete any 3 task at your convenience for successful completion of the internship.

o   Create a new Github repository and name it CognoRise Infotech and share the link of the Github repo in the submission form(it will be shared later through email).

o   You can refer to online resources such as Google Search and documentation.

SUBMISSION

o A TASK SUBMISSION FORM will be shared later through email . Till then please continue your task.

o Create a demo video of your task, preferably screen recorded.

o The video can be hosted on LinkedIn for proof of your work and build credibility among your peers .

o You can tag CognoRise Infotech on LinkedIn in such posts.

o Please add #cognorise in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship #webdevelopment. for more reach and visibility.

TASK 1
IRIS FLOWER CLASSIFICATION

- The Iris flower dataset encompasses three distinct species: setosa, versicolor, and virginica.
- These species are discernible through specific measurements. Imagine possessing measurements of Iris flowers categorized by their distinct species.
- The goal is to train a machine learning model capable of learning from these measurements and proficiently categorizing Iris flowers into their corresponding species.
- Employ the Iris dataset to construct a model adept at classifying Iris flowers into distinct species based on their sepal and petal measurements.
- This dataset serves as a prevalent choice for initial classification tasks, making it ideal for introductory learning experiences
- DOWNLOAD THE DATASET HERE

TASK 2
CREDIT CARD FRAUD DETECTION

- Develop a machine learning model designed to detect fraudulent credit card transactions.
- The process involves preprocessing and normalizing transaction data, addressing class imbalance concerns, and partitioning the dataset into training and testing subsets.
- Train a classification algorithm—like logistic regression or random forests—to differentiate between fraudulent and legitimate transactions.
- Assess the model's efficacy using metrics such as precision, recall, and F1-score.
- Additionally, explore strategies like oversampling or undersampling to enhance outcomes and refine the model's performance.
- DOWNLOAD THE DATASET HERE

TASK 3
TITANIC SURVIVAL PREDICTION

- Utilize the Titanic dataset to construct a predictive model determining if a passenger survived the Titanic disaster.
- This project serves as an introductory exercise, offering accessible data for analysis.
- The dataset comprises passenger details encompassing age, gender, ticket class, fare, cabin, and survival outcome.
- By applying this data, you can embark on a classic project that provides insights into survival patterns among Titanic passengers.
- DOWNLOAD THE DATASET HERE

TASK 4
SUPERSTORE SALES PREDICTION

- Time series analysis deals with time series based data to extract patterns for predictions and other characteristics of the data.
- It uses a model for forecasting future values in a small time frame based on previous observations.
- It is widely used for non-stationary data, such as economic data, weather data, stock prices, and retail sales forecasting.
- DOWNLOAD DATASET FROM HERE

TASK 5
CAR PRICE PREDICTION

- Numerous factors contribute to a car's price, encompassing brand reputation, car features, horsepower, mileage efficiency, and more.
- Car price prediction stands as a significant domain within machine learning research.
- If you seek to master the art of training a car price prediction model, this project presents a valuable learning opportunity.
- DOWNLOAD THE DATASET HERE

TASK 6
CINEMA TICKETS

- The Cinema Tickets dataset, covering eight months in 2018, offers sales history and screening details from various cinemas. Ideal for predictive modeling, it supports forecasting, screening optimization, and ROI improvement. With anonymized locations, it aids decisions on cast, crew, and project planning.
- Emphasizing time series analysis, it provides insights for Cinema Clustering, sales forecasts, and movie genre recommendations. Evolving with additional movie data, it enhances strategic decision-making in the cinema industry.
- DOWNLOAD THE DATASET HERE

TASK 7
SHOPPER SENTIMENTS

- The ShopperSentiments dataset, comprising over 250,000 customer reviews on TeePublic, provides key insights for online fashion retail. Attributes include reviewer_id, store_location, date, title, review, and review-label (rating 1 to 5).
- With unique features like geospatial coordinates and temporal data, it's a valuable resource for sentiment analysis, geospatial patterns, temporal trends, and review categorization.
- TeePublic's diverse fashion collection is the backdrop for understanding customer sentiments and preferences.
- DOWNLOAD THE DATASET HERE

TASK 8
FAKE NEWS PREDICTION

- The Fake News Prediction Dataset features both real and fake news, providing a basis for predictive modeling to identify misinformation. With columns including Title, Text, and Label (Fake or Real), it addresses the pervasive issue of false or misleading information in news.
- The dataset supports efforts to enhance information integrity, combat fake news, and promote media literacy.
- DOWNLOAD THE DATASET HERE

INTERNSHIP AIM
LEARNING AND ADVANCEMENT

- The purpose of this internship is to learn and grow

- Our internship is designed to facilitate your learning journey and foster growth.The choice to seek guidance is entirely yours.

- The provided tasks may appear simple or complex.

- We anticipate your approach to be marked by professional commitment, dedicating the attention each task merits.

CONNECT WITH US

- MAIL US: cognoriseinfotech@gmail.com
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- TELEGRAM: https://t.me/CognoRise_InfoTech
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