CognoRise
INFOTECH

COGNORISE INFOTECH

Learn -- Innovate -- Thrive

MACHINE LEARNING 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

- Update your linkedIn profiles.
- For the internship ,you will need to complete any 3 task at your convenience for successful completion of the internship.
- 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).
- You can refer to online resources such as Google Search and documentation.

SUBMISSION

- A TASK SUBMISSION FORM will be shared later through email . Till then please continue your task.
- Create a demo video of your task, preferably screen recorded.
- The video can be hosted on LinkedIn for proof of your work and build credibility among your peers .
- You can tag CognoRise Infotech on LinkedIn in such posts.
- 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
BREAST CANCER CLASSIFICATION

- Algorithm: K-Nearest Neighbors (KNN), Random Forest Classifier, Linear Regression, Decision Tree Classifier, Logistic Regression
- Description: Classify breast cancer tumors as malignant or benign using features extracted from mammograms.
- For dataset-here

TASK 2
HOUSE PRICE PREDICTION

- Algorithm: Linear Regression,random forest regression ,decision tree regression, gradient boosting regressor
- Description: Predict house prices based on features like area, number of bedrooms, and location.
- For dataset-here

TASK 3
SPAM EMAIL DETECTION

- Algorithm: Logistic Regression,random forest classifier, adaboosting classifier, knn
- Description: Create a model to classify emails as spam or not spam based on their content.
- For dataset-here

TASK 4
DIABETES PREDICTION

- Algorithm: Random Forest Classifier, K-Nearest Neighbors (KNN), adaboosting classifier,linear Regression, Decision Tree Classifier,
- Description: Predict whether a person has diabetes or not using features like glucose levels and BMI.
- For dataset-here

TASK 5
SENTIMENT ANALYSIS ON MOVIE REVIEWS

- Algorithm: Naive Bayes Classifier, Random Forest Classifier, K-Nearest Neighbors (KNN), xgboosting classifier,logistic Regression, Decision Tree Classifier,
- Description: Perform sentiment analysis on movie reviews to determine if the sentiment is positive or negative.
- For dataset - here

TASK 6
MOVIE RECOMMENDATION SYSTEM

- Build a simple movie recommendation system using collaborative filtering techniques.
- Use a dataset of user ratings for movies to create a model that can recommend movies to users based on their preferences and behavior.
- For dataset - here

TASK 7
DIGIT RECOGNIZER

- Build a digit recognition model using the MNIST dataset, which consists of 28x28 pixel grayscale images of handwritten digits (0-9).
- Train a neural network (e.g., a simple feedforward network or a convolutional neural network) to classify the images into their respective digits.
- For dataset - here

TASK 8
EMOJI PREDICTION

- Create a model that can predict appropriate emojis based on text input.
- Use a dataset of text messages or social media posts with associated emojis to train a model that can suggest emojis based on the content of the text.
- For 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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- LINKEDIN: https://www.linkedin.com/company/cognoriseinfotech/