Hope Artificial Intelligence

Classification Assignment

**Problem Statement or Requirement:**

A requirement from the Hospital, Management asked us to create a predictive model which will predict the Chronic Kidney Disease (CKD) based on the several parameters. The Client has provided the dataset of the same.

1. Identify your problem statement

\*Stage 1- Machine Learning \* stage 2-Supervised Learning

\*stage 3 \_Classification

1. Tell basic info about the dataset (Total number of rows, columns)

399 rows × 28 columns

1. Mention the pre-processing method if you’re doing any (like converting string to number – nominal data)

Get\_dummies(library using to convert string number to nominal data

1. Develop a good model with good evaluation metric. You can use any machine learning algorithm; you can create many models. Finally, you have to come up with final model.

**DecisionTree \_Classifier**

1. All the research values of each algorithm should be documented. (You can make tabulation or screenshot of the results.)

**SVM – 88% ,RT -91% ,NB – 90% , L C – 91% get an DT- 93%**

6.) Mention your final model, justify why u have chosen the same.

**DecisionTree\_Classifier – when compare to SVM – 90% ,RT -91% ,NB – 90% get an 93% this model that’s why used this model**

Note: Mentioned points are necessary, kindly mail your document as well as .ipynb (code file) with respective name.



* Sub file name also should be properly named for Example (**SVM\_Ramisha\_Assi-5.ipynb)**

Communication is important (How you are representing the document.)

Kindly uploaded in the Github and Share it with us

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