DISEASE PREDICTION WITH SYMPTOMS USING MACHINE LEARNING TECHNIQUES

GROUP NO – 13

Abstract:

Given the tremendous advancements in technology and data, one of the most important study areas nowadays is the healthcare industry. The enormous amount of patient data is tough to manage. Through Big Data Analytics, it is simpler to manage this data. Around the world, there are numerous methods for treating a variety of disorders. A new method for predicting and diagnosing diseases is called machine learning. This study uses machine learning to predict illness from symptoms. On the presented dataset, machine learning algorithms such as Naive Bayes, Decision Tree, and Random Forest are used to forecast the disease. The Python programming language is used to implement it. The study shows which algorithm is the best in terms of accuracy. Performance on the provided dataset determines an algorithm's accuracy.

We are going to implement this using python with machine learning techniques like decision tree, clustering and random forest method. Python libraries required are yaml, nyyaml, seaborn,joblib, scikit – learn, numpy, pandas, matplotlib, gradio.

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