DECISION PREDICTION

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Introduction

The project “disease prediction “is a GUI based desktop application which is developed in python environment.With the help of machine learning algorithm our application decides whether a patient has a disease or not ,based on symptoms provide or medical history.

machine learning used

1- supervised machine learning:

supervised machine learning based on supervision. It means in the supervised learning technique, we train the machines using the "labelled" dataset, and based on the training, the machine predicts the output. Here, the labelled data specifies that some of the inputs are already mapped to the output. More preciously, we can say; first, we train the machine with the input and corresponding output, and then we ask the machine to predict the output using the test dataset.

Libraries used:

Numpy

Panda

Tkinter

Scikit learn

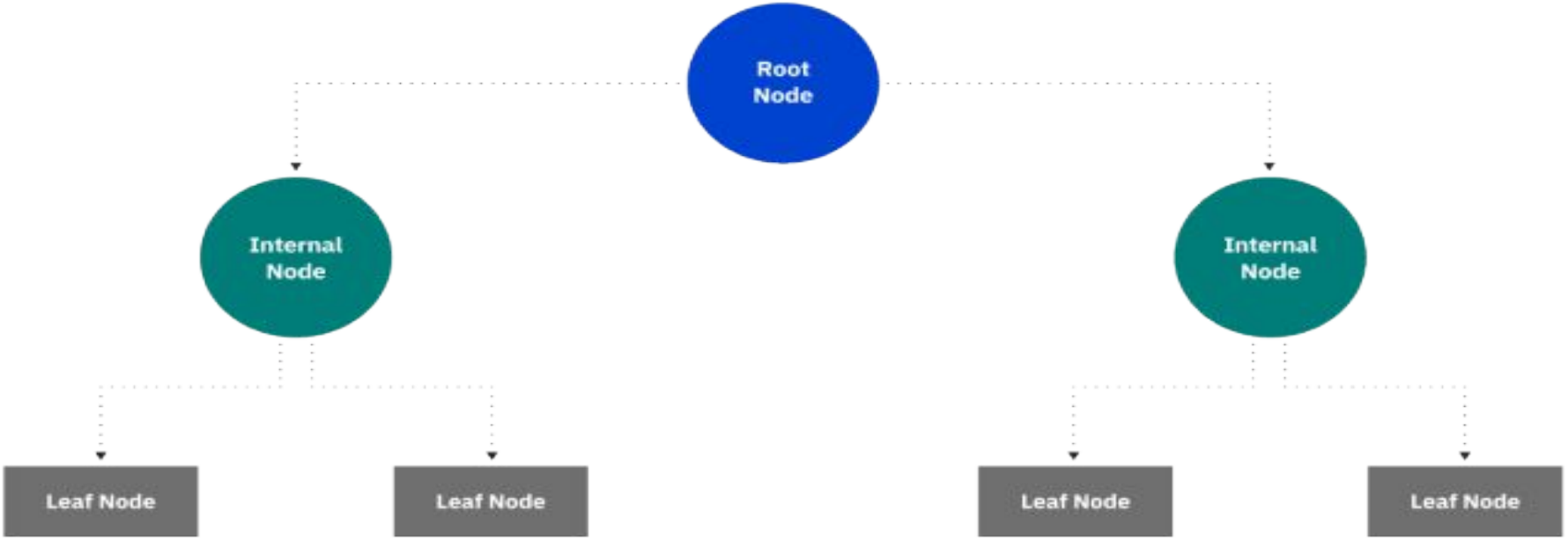
Algorithm used:

1: Decision tree

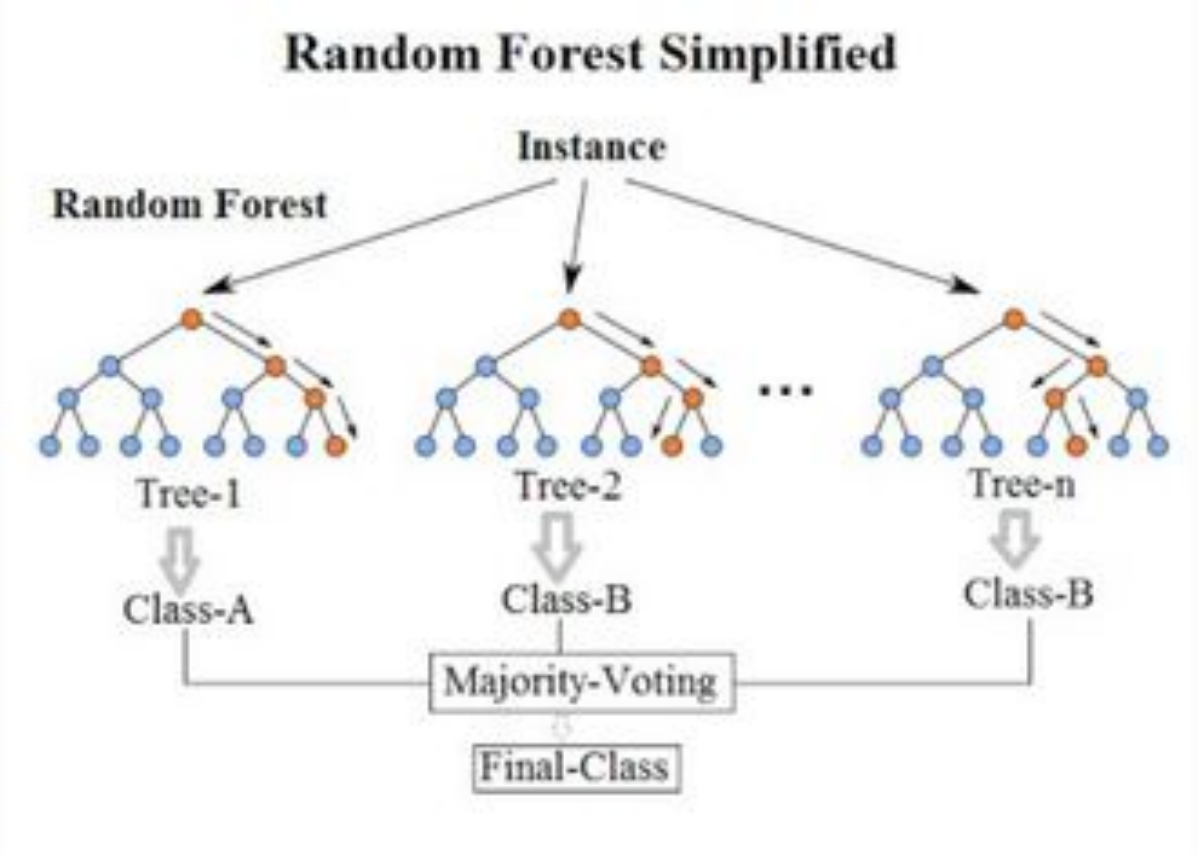
2: Random forest

3: Naive Bayes

DECISION TREE



RANDOM FOREST



NAIVE BAYES

Naive Bayes is a machine learning algorithm we use to solve classification problems. It is based on the Bayes Theorem. It is one of the simplest yet powerful ML algorithms in use and finds applications in many industries.

THANKYOU