## **What Is Random Forest?**

The decision tree algorithm is quite easy to understand and interpret. But data scientist uses random forest mostly, a single tree is not sufficient for producing effective results. This is where the Random Forest algorithm comes into the picture.

Random Forest is a tree-based machine learning algorithm that leverages the power of multiple decision trees for making decisions. As the name suggests, it is a “forest” of trees!

But why do we call it a “random” forest? That’s because it is a forest of **randomly created decision trees**. Each node in the decision tree works on a random subset of features to calculate the output. The random forest then combines the output of individual decision trees to generate the final output.

