IMPROVED PREDICTIVE LEARNING APPROACHES IN MEDICINAL SERVICES FOR CUSTOMIZED DIET SUGGESTION FRAMEWORK

A Main Project Abstract

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ABSTRACT

In this cutting-edge world many human beings are struggling from extraordinary kinds of ailments and illnesses. A learn about through WHO reviews that insufficient and imbalanced consumption of meals motives round 9% of coronary heart assault deaths, about 11% of ischemic coronary heart ailment deaths, and 14% of gastrointestinal most cancers deaths worldwide. Moreover, round 0.25 billion teens are struggling from extraordinary sorts of nutrient deficiency specifically from Vitamin-A to Vitamin-K deficiency, 0.2 billion human beings are struggling from Iron deficiency (Anemia), and 0.7 billion human beings are struggling from Iodine deficiency. The primary goal of this undertaking is to propose a food regimen to one-of-a-kind folks the use of the datasets that are organized based totally on the aggregate of a number nutritional vitamins and their deficiency and meals to be endorsed based totally on which diet is deficient. In this mission a couple of classifier algorithms are used (KNN, Decision tree, Random forest, Logistic regression, Voting classifier). Ensembled algorithm is used to mix more than one algorithms and instruct a new algorithm. Accuracy of every algorithm is calculated and the high-quality algorithm is used for prediction purposes. Prediction is proven the use of flask net utility which will observe deficiency of diet and endorse kind of meals to be taken on a range of combos.

Keywords : Vitamin, Deficiency, Diet, Decision tree, Random forest

Project Guide

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