Abstract

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Technologies used : HTML, JAVAScript, CSS, flask framework, Machine learning (XGBClassifier)
Library used : flask, pandas, numpy, pickle
Tools used : spyder, heroku for web deployment, vscode, Git bash
Github: anooppandit1234/covid-19-predictor

Description:-
I , Anoop the captain along with Amit on the theme COVID19 , working on a project name "Predictor" which is about to predict* the possibility of having affected with the novel coronavirus with help of symptoms that are feed to predictor, the predictor will predict* the result by the model which has been trained on a dataset ,for the model we use XGBClassifier working on the XGBoost algorithm . The independent fields are age, gender , symptoms and time of first occurence to predict the binary result. The technology used for the frontend are HTML, JAVAScript, CSS while on the other hand we use python based framework for backend -flask, ML model is created to provide predictive functionality to the Website . The tools used for frontend are vscode and for backend python prompt , spyder4. The libraries like pickle used to dump the ML model to .pkl file , other libraries are pandas for dataset management, numpy and flask libraries . We use heroku as our deployment tool .

This predictor can help the people who are unable to reach to the doctor due the lockdown, to get rid of the fear of having coronavirus, as they can check their condition on the basis of symptoms they enter to the predictor, the predictor will give them idea having a chance of getting infected with coronavirus.

Note: * This predictor is only a sample model for the idea , this doesn't propose for the public use.The used dataset is not proper, means it is not provided by any government organisation.