## **Coronavirus Detector**

As we know that the whole world is affected by the coronavirus. In this tutorial, we will learn to program a “Coronavirus Probability Detector” using python and machine learning concepts. This project is very different yet helpful for all of us in such a pandemic situation. As today’s tutorial is about the programming solution related to the Coronavirus Outbreak, so this tutorial is going to be very special.

#### **My Idea for the solution of the coronavirus outbreak is:**

* Stop the transmission by prioritizing tests and hence detecting the cases quickly.
* Data can be collected on the symptoms of COVID-19.
* A machine learning model is then trained on the data to find out the probability of a person having the infection.
* The model is then used to find out whom to test for the infection first under a limited testing capacity.

#### **Machine Learning model parameters:-**

* A team of doctors can sit down to find out the best model parameters.
* A sample set of parameters is as follow:

#### **Features:**

* Average Fever - Continous
* Body Pain-0/1 Binary
* Age-Discrete
* Runny Nose
* Breathing Problem- Categorical: 0/1/-1

#### **Labels:**

* Probability of COVID-19 Infection

Language:

* Python
* Html / Css
* Machine Learning
* Excel File