

# Online Weekly COVID 19 IDEathon Challenge (AKTU)

Implement a Network(Web-Application) for Covid-19 Healthcare

**Title**     *Corona Virus Probability Detector*

## Personal Details

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## Project Name

Corona Virus Probability Detector

## Problem Statement

*Help Government employees and Doctors through a Web-Application*

## Project Description

*I made a web-application (Corona Virus Probability Detector), And I have used Machine Learning(ML) Technology in this Project.*

*I have used some Data, and Data is taking from Infected or non-infected people with Coronavirus, I have trained the Data through the Machine Learning.*

*And I have used Simulated Data because I don't have real Data, And the actual Data will be provided by the Government.*

*So I accepted Covid-19 Ideathon challenge, and I create a web-application.*

*So Through this web application, you can Predict the Probability of Infected with the Corona Virus.*

*And I have trained the Data through the Machine Learning, So through this Tool, You can estimate the Probability of Infected virus.*

*If You doubt yourself whether you are Infected with the Virus or not? Then You can visit this website and fill all symptoms and then clear your doubt.*

*So through this web application, you can overcome the work of Doctors and Government employees.*

*and You will be satisfied with your doubt.*

**How to use this Web-Application:** *If You doubt yourself whether you are Infected with the Virus or not? So You write all requirements Data (Symptoms) like Fever, Age, and Headache etc in this website.*

*And then in the next step, you see the Possibility of Infected virus in this website, If your Probability is showing low percentage, You are then satisfied with your doubt that you are not Infected with the Virus.*

*And in opposition, If Your Probability is showing high percentage, So you are Infected with the virus.*

*And finally, you completely satisfied with your doubt that you are infected with the virus or not?*

*And with this web application, you are also helping the Doctors and Government.*

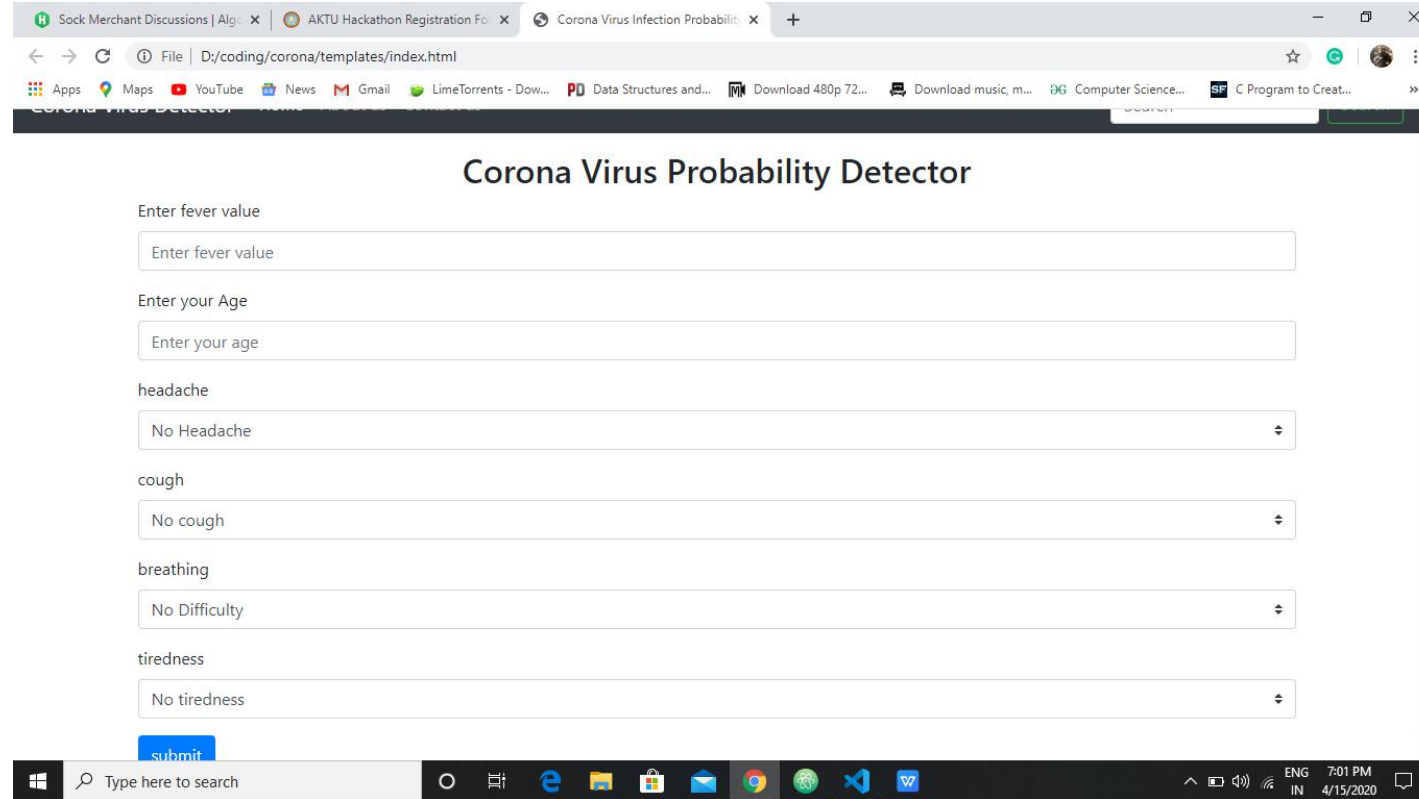
## The idea of Approach:

*Actually, with the help of this Web-Application, you can help the Government and Doctors, because through this Web-Application the work of Doctor's and Government can be reduced.*

*And after checking the probability of infected virus, So you can verify through the doctors.*

*So through this web application, you can clear your doubts, So anybody has doubt yourself whether you are Infected with the Virus or not?*

*So before the hospital checkup, you can clear your doubts through this Web-Application.*



The screenshot shows a web browser window with the following content:

- Browser tabs: Sock Merchant Discussions | Alg..., AKTU Hackathon Registration Fo..., Corona Virus Infection Probabil...
- Address bar: File | D:/coding/corona/templates/index.html
- Page title: Corona Virus Probability Detector
- Form fields:
  - Enter fever value:
  - Enter your Age:
  - headache:
  - cough:
  - breathing:
  - tiredness:
- submit:

## Work of Web-Application:

*This Web-application completely based on Machine-Learning, and this is the backend part of it, And on the other side, I have done it with Bootstrap and Flask for the Frontend part.*

*Through this Machine-Learning, you predict approximately 98 % accuracy with the Simulated data.*