

Application Building Using Flask with Scoring Endpoint

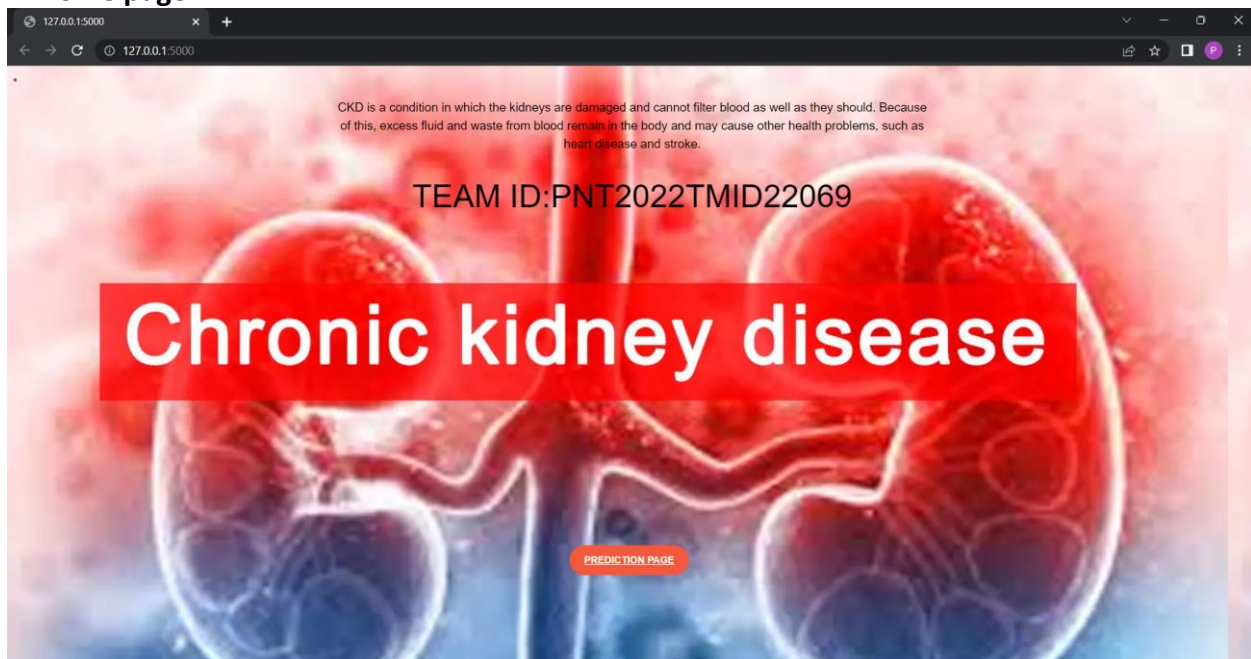
Team ID	PNT2022TMID22069
Project Name	Project - Early Detection of Chronic Kidney Disease using Machine Learning

Run our Application →

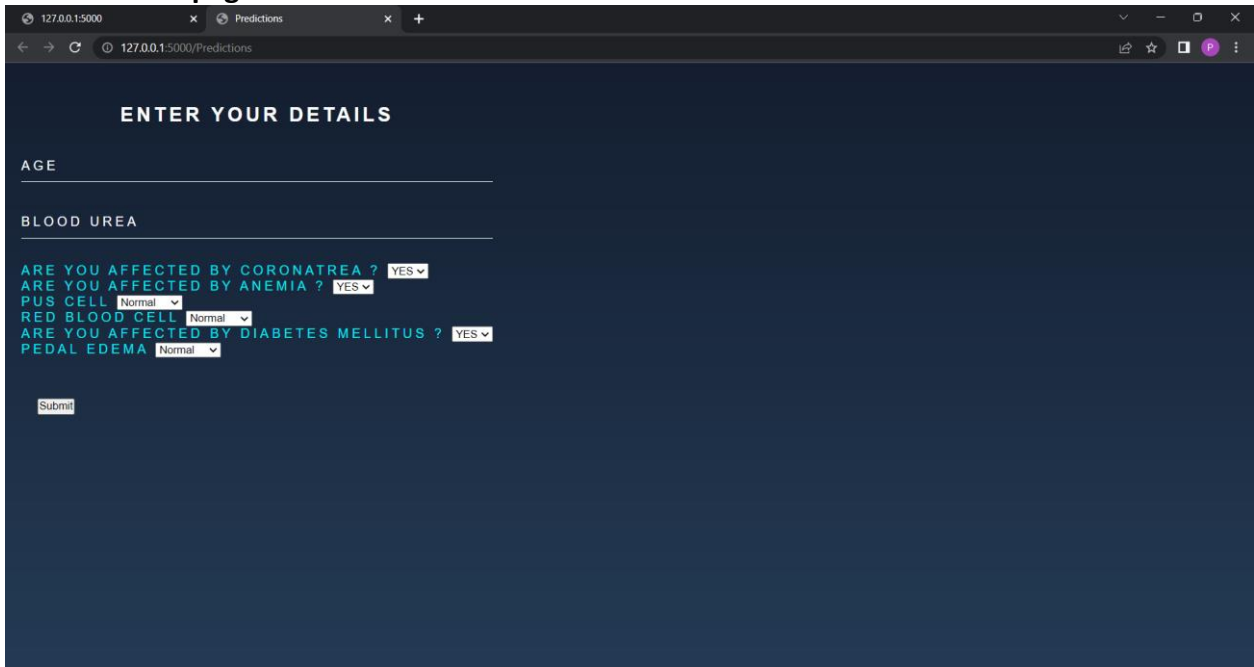
```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

(base) C:\Users\punit>d:
(base) D:\>cd projects
(base) D:\Projects>cd nalayathiran
(base) D:\Projects\Nalayathiran>cd webpage
(base) D:\Projects\Nalayathiran\Webpage>cd sprint 4
(base) D:\Projects\Nalayathiran\Webpage\Sprint 4>cd Integrate Flask With Scoring End Point
(base) D:\Projects\Nalayathiran\Webpage\Sprint 4\Integrate Flask With Scoring End Point>python app(scoring_Endpoints).py
* Serving Flask app "app(scoring_Endpoints)" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 118-034-141
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Home page →



Predictions page →



A screenshot of a web browser showing a form titled "ENTER YOUR DETAILS". The form is set against a dark blue background. It contains several input fields: "AGE", "BLOOD UREA", and a series of dropdown menus for medical conditions. The dropdowns are labeled: "ARE YOU AFFECTED BY CORONATREA ?", "ARE YOU AFFECTED BY ANEMIA ?", "PUS CELL", "RED BLOOD CELL", "ARE YOU AFFECTED BY DIABETES MELLITUS ?", and "PEDAL EDEMA". The "PUS CELL", "RED BLOOD CELL", and "PEDAL EDEMA" dropdowns are currently set to "Normal". The "ARE YOU AFFECTED BY CORONATREA ?" and "ARE YOU AFFECTED BY ANEMIA ?" dropdowns are set to "YES". A "Submit" button is located at the bottom of the form.

ENTER YOUR DETAILS

AGE

BLOOD UREA

ARE YOU AFFECTED BY CORONATREA ? YES

ARE YOU AFFECTED BY ANEMIA ? YES

PUS CELL Normal

RED BLOOD CELL Normal

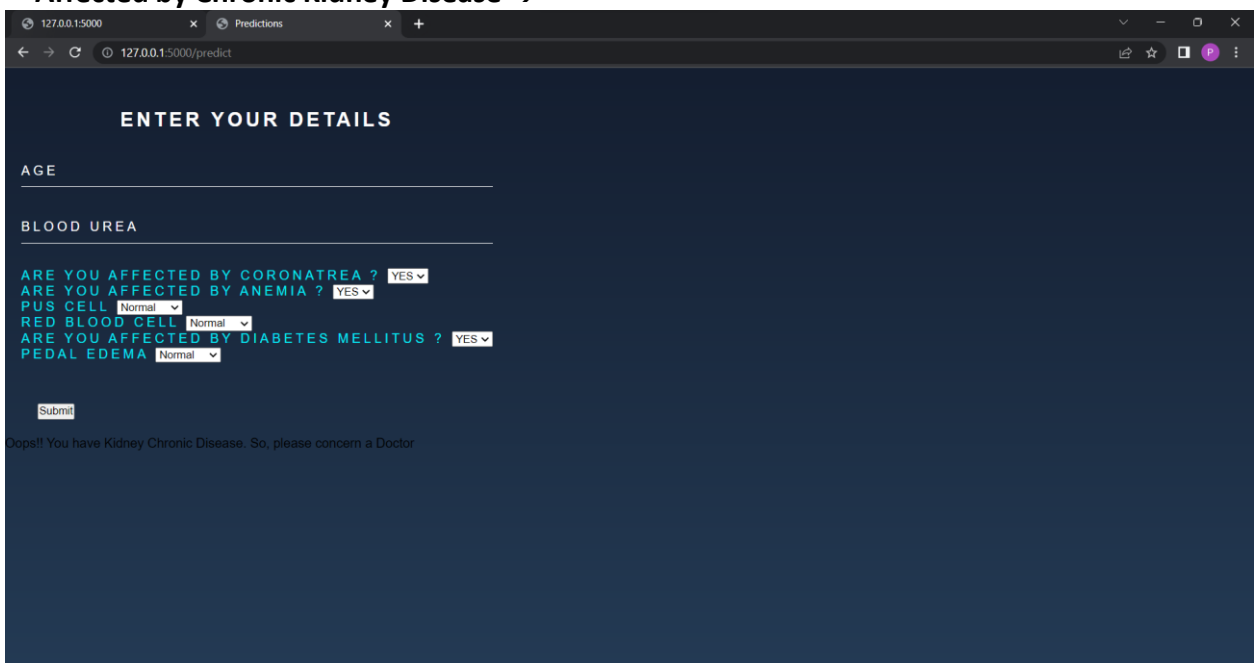
ARE YOU AFFECTED BY DIABETES MELLITUS ? YES

PEDAL EDEMA Normal

Submit

Result:

Affected by Chronic Kidney Disease →



A screenshot of the same web browser showing the "ENTER YOUR DETAILS" form. The form is identical to the previous screenshot, but now a message is displayed at the bottom of the page: "Oops!! You have Kidney Chronic Disease. So, please concern a Doctor".

ENTER YOUR DETAILS

AGE

BLOOD UREA

ARE YOU AFFECTED BY CORONATREA ? YES

ARE YOU AFFECTED BY ANEMIA ? YES

PUS CELL Normal

RED BLOOD CELL Normal

ARE YOU AFFECTED BY DIABETES MELLITUS ? YES

PEDAL EDEMA Normal

Submit

Oops!! You have Kidney Chronic Disease. So, please concern a Doctor

Not Affected by Chronic Kidney Disease →

127.0.0.1:5000 Predictions

127.0.0.1:5000/predict

ENTER YOUR DETAILS

AGE
23

BLOOD UREA
48

ARE YOU AFFECTED BY CORONATREA ? NO

ARE YOU AFFECTED BY ANEMIA ? NO

PUS CELL Normal

RED BLOOD CELL Normal

ARE YOU AFFECTED BY DIABETES MELLITUS ? YES

PEDAL EDEMA Abnormal

Submit

you are not affected by Chronic kidney Disease

Scoring Response →

```
Scoring response
{'predictions': [{'fields': ['prediction', 'probability'], 'values': [[0, [0.99, 0.01]]}]]}
127.0.0.1 - - [19/Nov/2022 12:24:23] "POST /predict HTTP/1.1" 200 -
Scoring response
{'predictions': [{'fields': ['prediction', 'probability'], 'values': [[1, [0.2, 0.8]]}]]}
127.0.0.1 - - [19/Nov/2022 12:26:37] "POST /predict HTTP/1.1" 200 -
```