

SPRINT 3

Date	14 November 2022
Team ID	PNT2022TMID31803
Project Name	Project – Early Detection of Chronic Kidney Disease using Machine Learning

In this sprint we are doing local deployment

- App.py Code Screen**

```
App.py - C:\Users\ELCOT\Downloads\App.py (3.9.2)
File Edit Format Run Options Window Help

import numpy as np
import pandas as pd
from flask import Flask, request, render_template
import pickle

app = Flask(__name__)
model = pickle.load(open('CKD.pkl', 'rb'))

@app.route('/')
def home():
    return render_template('home.html')

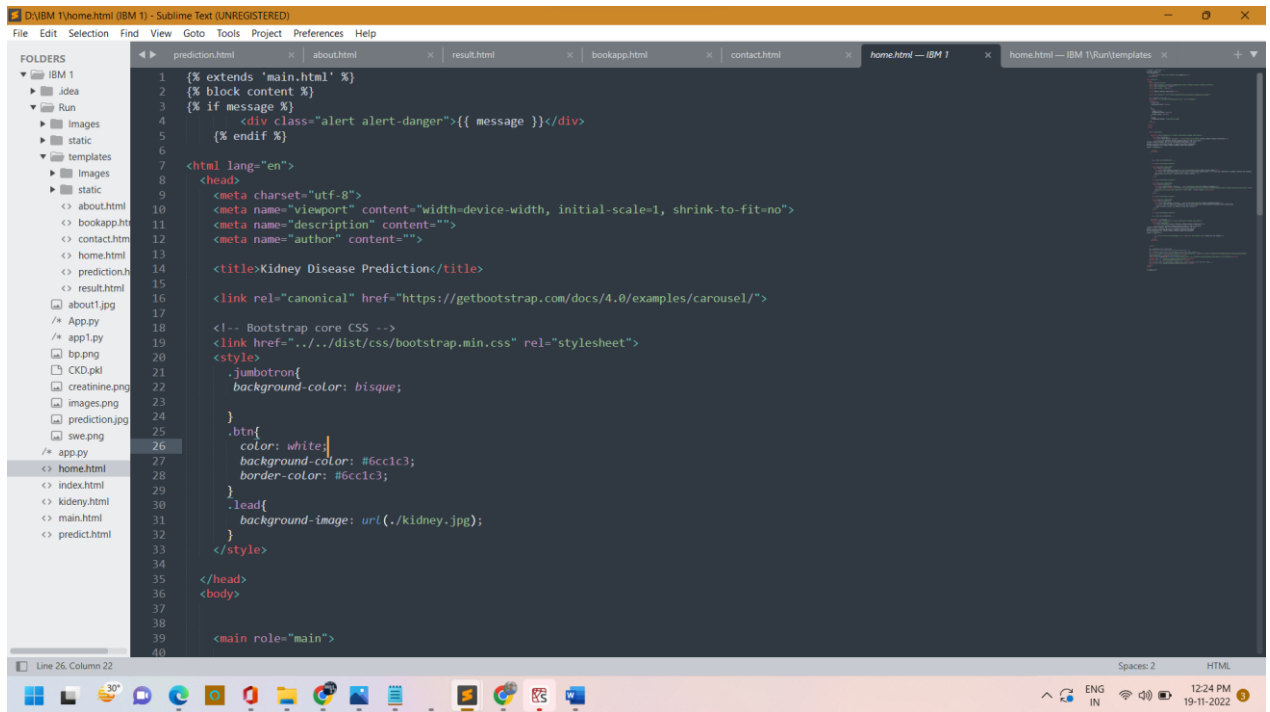
@app.route('/Prediction', methods=['POST', 'GET'])
def prediction():
    return render_template('indexnew.html')

@app.route('/Home', methods=['POST', 'GET'])
def my_home():
    return render_template('home.html')

@app.route('/predict', methods=['POST'])
def predict():
    #input_features = ([int(x) for x in request.form.values()])
    blood_urea = request.form["blood_urea"]
    blood_glucose_random = request.form["blood_glucose_random"]
    anemia = request.form["Anemia"]
    if (anemia == "no"):
        anemia = 0
    if (anemia == "yes"):
        anemia = 1
    coronary_artery_disease = request.form["coronary_artery_disease"]
    if (coronary_artery_disease == "no"):
        coronary_artery_disease = 0
    if (coronary_artery_disease == "yes"):
        coronary_artery_disease = 1

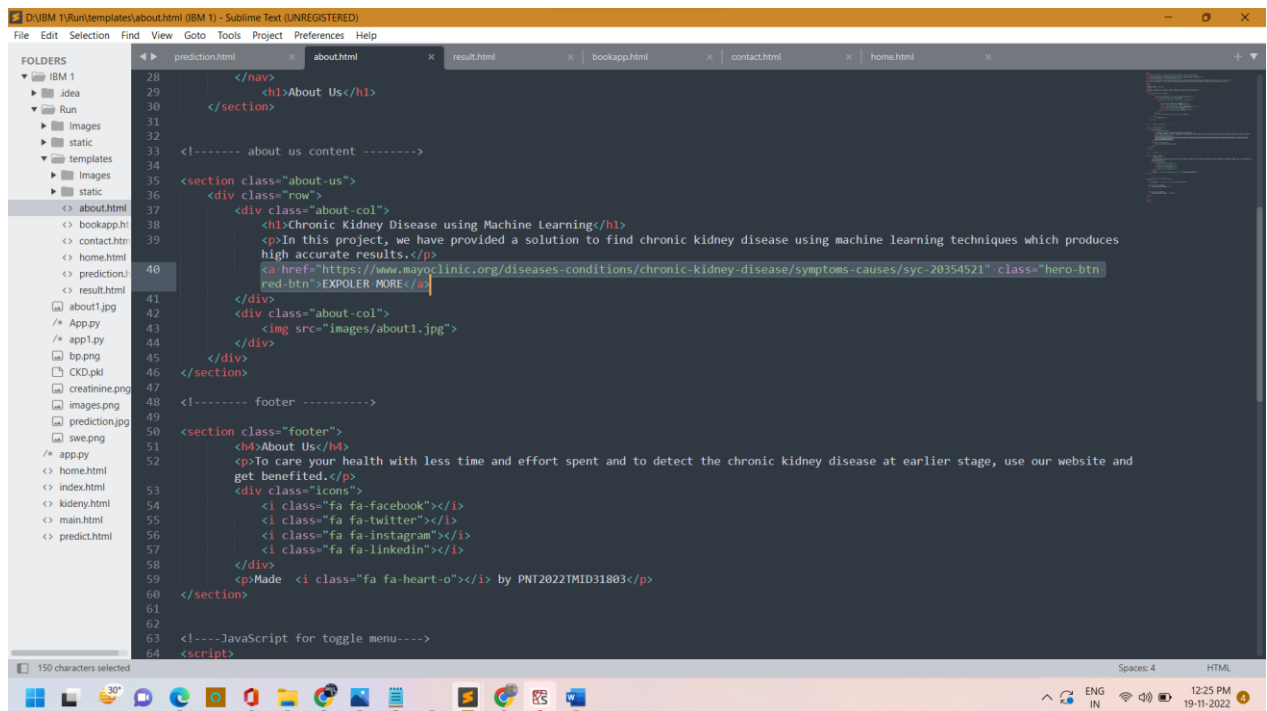
    bus_cell = request.form["bus cell"]
```

- **home.html Code Screen**



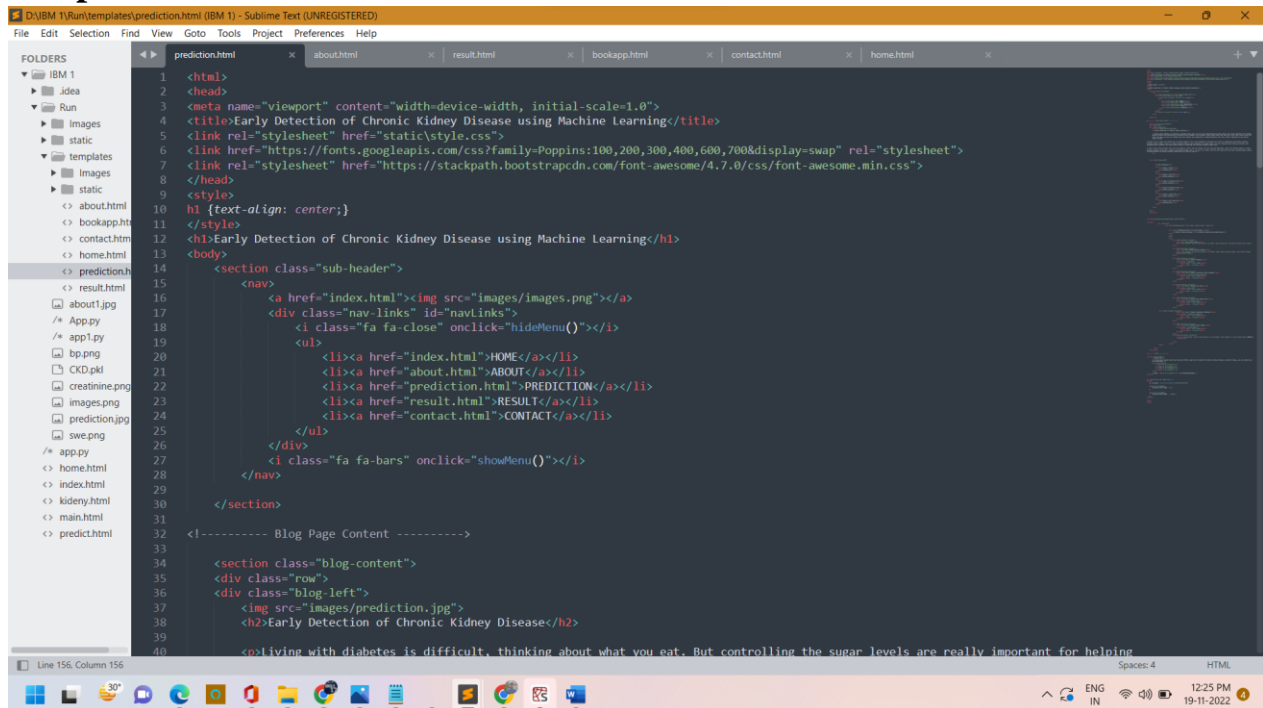
```
1 {% extends 'main.html' %}
2 {% block content %}
3 {% if message %}
4     <div class="alert alert-danger">{{ message }}</div>
5 {% endif %}
6
7 <html lang="en">
8 <head>
9     <meta charset="utf-8">
10    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
11    <meta name="description" content="">
12    <meta name="author" content="">
13
14    <title>Kidney Disease Prediction</title>
15
16    <link rel="canonical" href="https://getbootstrap.com/docs/4.0/examples/carousel/">
17
18    <!-- Bootstrap core CSS -->
19    <link href=".../dist/css/bootstrap.min.css" rel="stylesheet">
20
21    <style>
22        .jumbotron{
23            background-color: bisque;
24        }
25        .btn{
26            color: white;
27            background-color: #6cc1c3;
28            border-color: #6cc1c3;
29        }
30        .lead{
31            background-image: url(../kidney.jpg);
32        }
33    </style>
34
35 </head>
36 <body>
37
38 <main role="main">
```

- **about.html Code Screen**



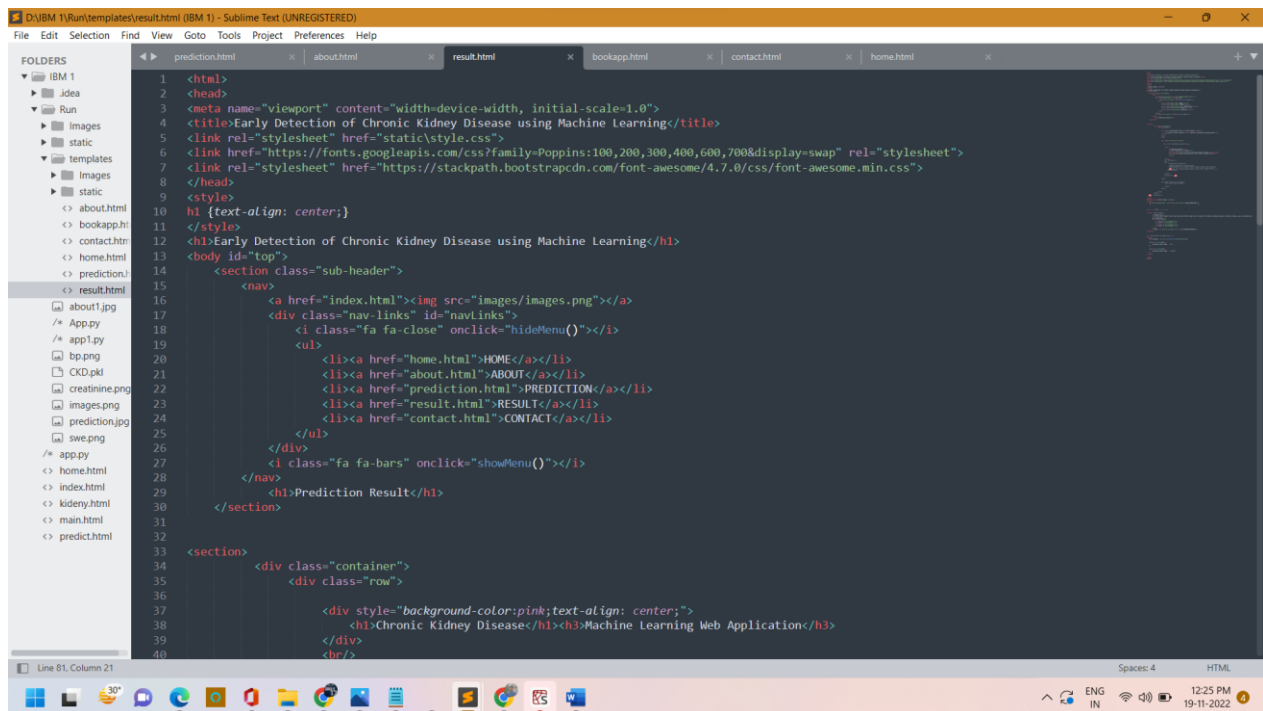
```
28 </nav>
29 <h1>About Us</h1>
30 </section>
31
32 <!-- about us content -->
33
34 <section class="about-us">
35     <div class="row">
36         <div class="about-col">
37             <h2>Chronic Kidney Disease using Machine Learning</h2>
38             <p>In this project, we have provided a solution to find chronic kidney disease using machine learning techniques which produces high accurate results.</p>
39             <a href="https://www.mayoclinic.org/diseases-conditions/chronic-kidney-disease/symptoms-causes/syc-20354521" class="hero-btn red-btn">EXPLORE MORE</a>
40         </div>
41         <div class="about-col">
42             
43         </div>
44     </div>
45 </section>
46
47 <!-- footer -->
48
49 <section class="footer">
50     <h2>About Us</h2>
51     <p>To care your health with less time and effort spent and to detect the chronic kidney disease at earlier stage, use our website and get benefited.</p>
52     <div class="icons">
53         <i class="fa fa-facebook"></i>
54         <i class="fa fa-twitter"></i>
55         <i class="fa fa-instagram"></i>
56         <i class="fa fa-linkedin"></i>
57     </div>
58     <p>Made <i class="fa fa-heart-o"></i> by PNT2022TMD31803</p>
59 </section>
60
61 <!--JavaScript for toggle menu-->
62 <script>
```

- **prediction.html Code Screen**



```
1 <html>
2 <head>
3   <meta name="viewport" content="width=device-width, initial-scale=1.0">
4   <title>Early Detection of Chronic Kidney Disease using Machine Learning</title>
5   <link rel="stylesheet" href="static/style.css">
6   <link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,600,700&display=swap" rel="stylesheet">
7   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
8 </head>
9 <style>
10  h1 {text-align: center;}
11 </style>
12 <h1>Early Detection of Chronic Kidney Disease using Machine Learning</h1>
13 <body>
14   <section class="sub-header">
15     <nav>
16       <a href="index.html"></a>
17       <div class="nav-links" id="navlinks">
18         <i class="fa fa-close" onclick="hideMenu()"></i>
19         <ul>
20           <li><a href="index.html">HOME</a></li>
21           <li><a href="about.html">ABOUT</a></li>
22           <li><a href="prediction.html">PREDICTION</a></li>
23           <li><a href="result.html">RESULT</a></li>
24           <li><a href="contact.html">CONTACT</a></li>
25         </ul>
26       </div>
27       <i class="fa fa-bars" onclick="showMenu()"></i>
28     </nav>
29   </section>
30
31   <!-- Blog Page Content -->
32
33   <section class="blog-content">
34     <div class="row">
35       <div class="blog-left">
36         
37         <h2>Early Detection of Chronic Kidney Disease</h2>
38
39         <p>living with diabetes is difficult, thinking about what you eat. But controlling the sugar levels are really important for helping
```

- **result.html Code Screen**



```
1 <html>
2 <head>
3   <meta name="viewport" content="width=device-width, initial-scale=1.0">
4   <title>Early Detection of Chronic Kidney Disease using Machine Learning</title>
5   <link rel="stylesheet" href="static/style.css">
6   <link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,600,700&display=swap" rel="stylesheet">
7   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
8 </head>
9 <style>
10  h1 {text-align: center;}
11 </style>
12 <h1>Early Detection of Chronic Kidney Disease using Machine Learning</h1>
13 <body id="top">
14   <section class="sub-header">
15     <nav>
16       <a href="index.html"></a>
17       <div class="nav-links" id="navlinks">
18         <i class="fa fa-close" onclick="hideMenu()"></i>
19         <ul>
20           <li><a href="home.html">HOME</a></li>
21           <li><a href="about.html">ABOUT</a></li>
22           <li><a href="prediction.html">PREDICTION</a></li>
23           <li><a href="result.html">RESULT</a></li>
24           <li><a href="contact.html">CONTACT</a></li>
25         </ul>
26       </div>
27       <i class="fa fa-bars" onclick="showMenu()"></i>
28     </nav>
29     <h1>Prediction Result</h1>
30   </section>
31
32   <section>
33     <div class="container">
34       <div class="row">
35         <div style="background-color: pink; text-align: center;">
36           <h1>Chronic Kidney Disease</h1><h3>Machine Learning Web Application</h3>
37         </div>
38       </div>
39     </div>
40   </section>
```

- **contact.html Code Screen**

```

19 <i class="fa fa-close" onclick="hideMenu()"></i>
20 <ul>
21 <li><a href="home.html">HOME</a></li>
22 <li><a href="about.html">ABOUT</a></li>
23 <li><a href="prediction.html">PREDICTION</a></li>
24 <li><a href="result.html">RESULT</a></li>
25 <li><a href="contact.html">CONTACT</a></li>
26 </ul>
27 </div>
28 <i class="fa fa-bars" onclick="showMenu()"></i>
29 </nav>
30 <h1>Contact Us</h1>
31 </section>
32
33 <!-- Contact Us -->
34
35
36
37 <section class="location">
38 <iframe src="https://www.google.com/maps/embed?pb=!1m18!1m3!1d3887.368144678623!2d77.55384341419037!3d13.012212417508028!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x3bae3d7f3535d71b3A:0x660d25b66e9fb25c12sWorld+Trade+Centre!5e0!3m2!1sen!2sin!4v1565255080367!5m2!1sen!2sin width="720" height="445" frameborder="0" style="border:0" allowfullscreen"></iframe>
39 </section>
40
41 <section class="contact-us">
42 <div class="row">
43 <div class="contact-col">
44 <div>
45 <i class="fa fa-home"></i>
46 <span>
47 <h5>Xyz Road, AbcEngineering College</h5>
48 <p>Y city , IN</p>
49 </span>
50 </div>
51 <div>
52 <i class="fa fa-phone"></i>
53 <span>
54 <h5>+1 0123456789</h5>
55 <p>Monday to Saturday 10 Am to 6 Pm</p>

```

bookapp.html Code Screen

```

1 <html>
2 <head>
3 <title>BOOKING APPOINTMENT</title>
4 <link rel="stylesheet" href="ft-form-styles-v3.css">
5
6 <body>
7
8 <form action="https://form.taxi/s/ie0ela58" id="ft-form" method="POST" accept-charset="UTF-8">
9 <fieldset>
10 <legend>For person</legend>
11 <label>
12 Name
13 <input type="text" name="name" required>
14 </label>
15 <div class="two-cols">
16 <label>
17 Email address
18 <input type="email" name="email" required>
19 </label>
20 <label>
21 Phone number
22 <input type="tel" name="phone">
23 </label>
24 </div>
25 </fieldset>
26 <fieldset>
27 <legend>Appointment request</legend>
28 <div class="two-cols">
29 <label>
30 Datum
31 <input type="date" name="Appointment request" required>
32 </label>
33 <div class="inline">
34 <label>
35 <input type="hidden" name="Morning desired" value="no">
36 <input type="checkbox" name="Morning desired" value="yes">
37 Morning
38 </label>
39 <label>
40 <input type="hidden" name="Afternoon desired" value="no">

```

LOCAL DEPLOYMENT SCREEN:

```
base) C:\Users\GOKUL\Desktop\IBM\Run>python App.py
* Serving Flask app 'App'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production server.
* Running on http://localhost:5000
Press CTRL+C to quit
```

Early Detection of Chronic Kidney Disease using Machine Learning

HOME ABOUT PREDICTION RESULT CONTACT

An Early Detection Can Save Many Lives


Early Detection of Chronic Kidney Disease using Machine Learning

[Visit Us to Know More](#)

Chronic Kidney Disease using Machine Learning

In this project, we have provided a solution to find chronic kidney disease using machine learning techniques which produces high accurate results.

[EXPLORE MORE](#)



About Us

To care your health with less time and effort spent and to detect the chronic kidney disease at earlier stage, use our website and get benefited.

[f](#) [t](#) [@](#) [in](#)

Made with ❤ by PNT2022TMD31803

Early Detection of Chronic Kidne: x

localhost:63342/Run/templates/prediction.html

Chronic Kidney Disease

Machine Learning Web Application

Stage 3B Moderate CKD

Stage 4 Severe CKD

Stage 5 End Stage CKD

GFR=30-44ml/min

GFR=15-29ml/min

GFR<15ml/min

Blood Urea

Blood Glucose Random

Select Anemia

Select Coronary Artery Disease

Select Pus Cell

Select Red Blood Cell

Select Diabetics Mellitus

Select Pedal Edema

[PREDICT](#)

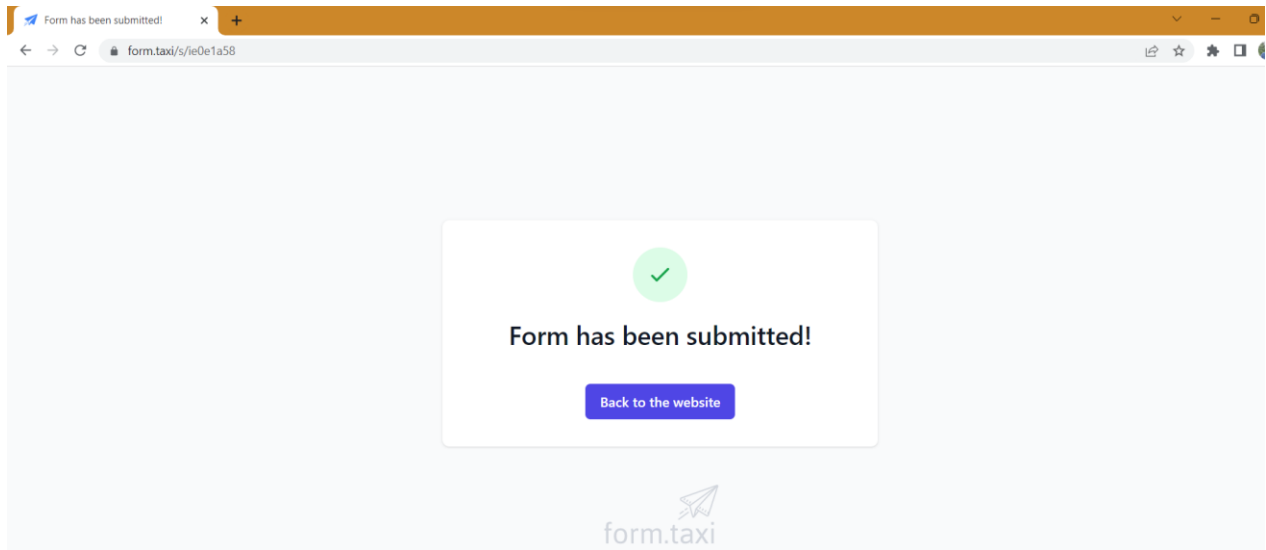
About Us

To care your health with less time and effort spent and to detect the chronic kidney disease at earlier stage, use our website and get benefited.

Made with love by PNT2022TMD31803

The image is a screenshot of a web browser window. The address bar at the top shows the URL 'localhost:5000/Run/templates/result.html'. The page has a dark blue header with the title 'Early Detection of Chronic Kidney Disease using Machine Learning' in white. Below the header, there is a navigation bar with links: HOME, ABOUT, PREDICTION, RESULT, and CONTACT. On the left side, there is a pink sidebar with the text 'Chronic Kidney Disease' and 'Machine Learning Web Application', and a button labeled 'BOOKAPPOINTMENT'. The main content area is dark blue with the text 'Prediction Result' in white. Below the sidebar, the text 'About Us' is visible.

BOOKAPPOINTMENT



BOOKING APPOINTMENT

localhost:63342/Run/templates/bookapp.html

For person

Name

Email address Phone number

Appointment request

Datum

☐ Morning ☒ Afternoon

Confirmation requested by

☐ Email ☒ Phone call
