

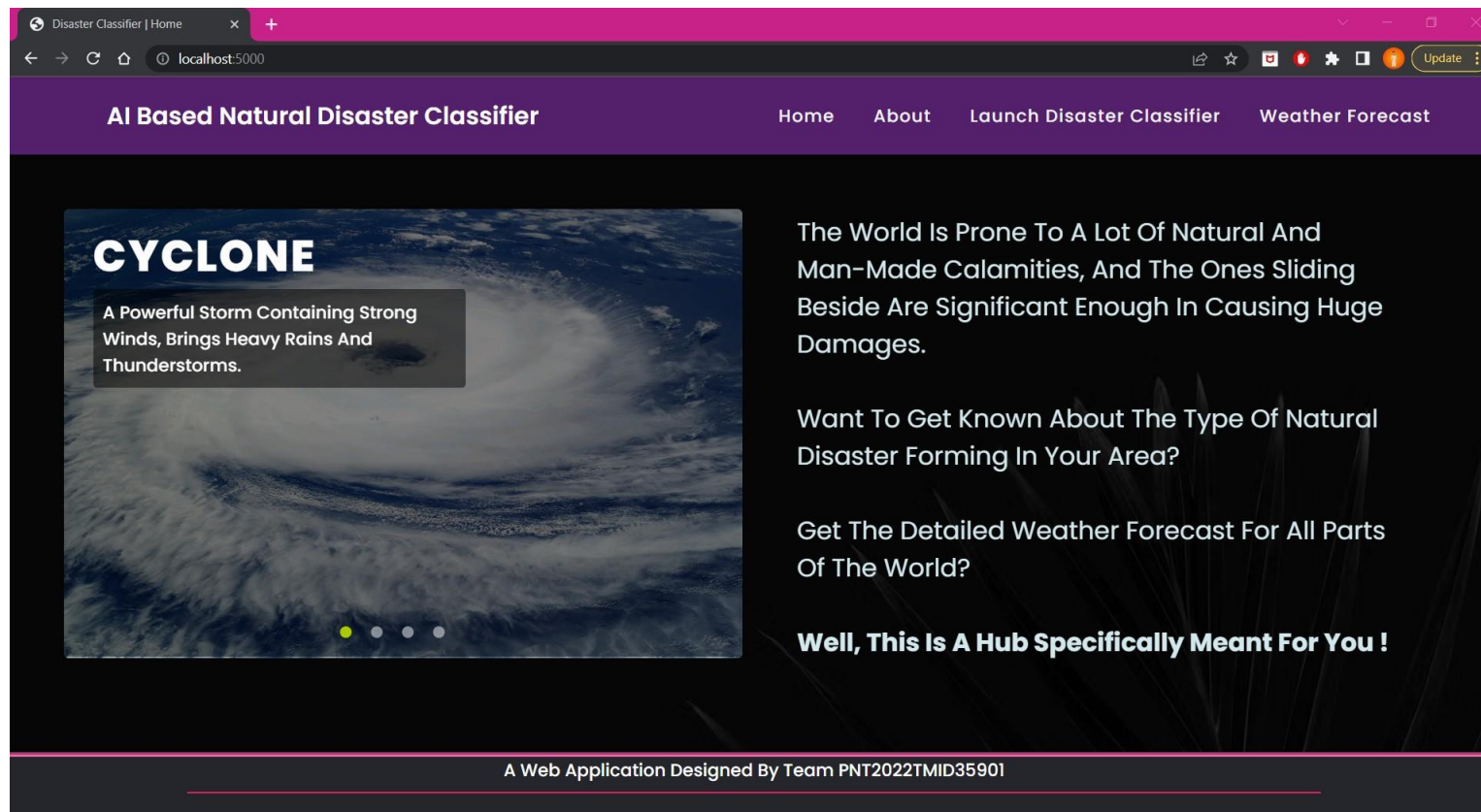
**Project Development Phase**  
**Sprint - III**

Date	27 November 2022
Team ID	PNT2022TMID45772
Project Name	Natural Disasters Intensity Analysis And Classification Using Artificial Intelligence
Maximum Marks	4 Marks

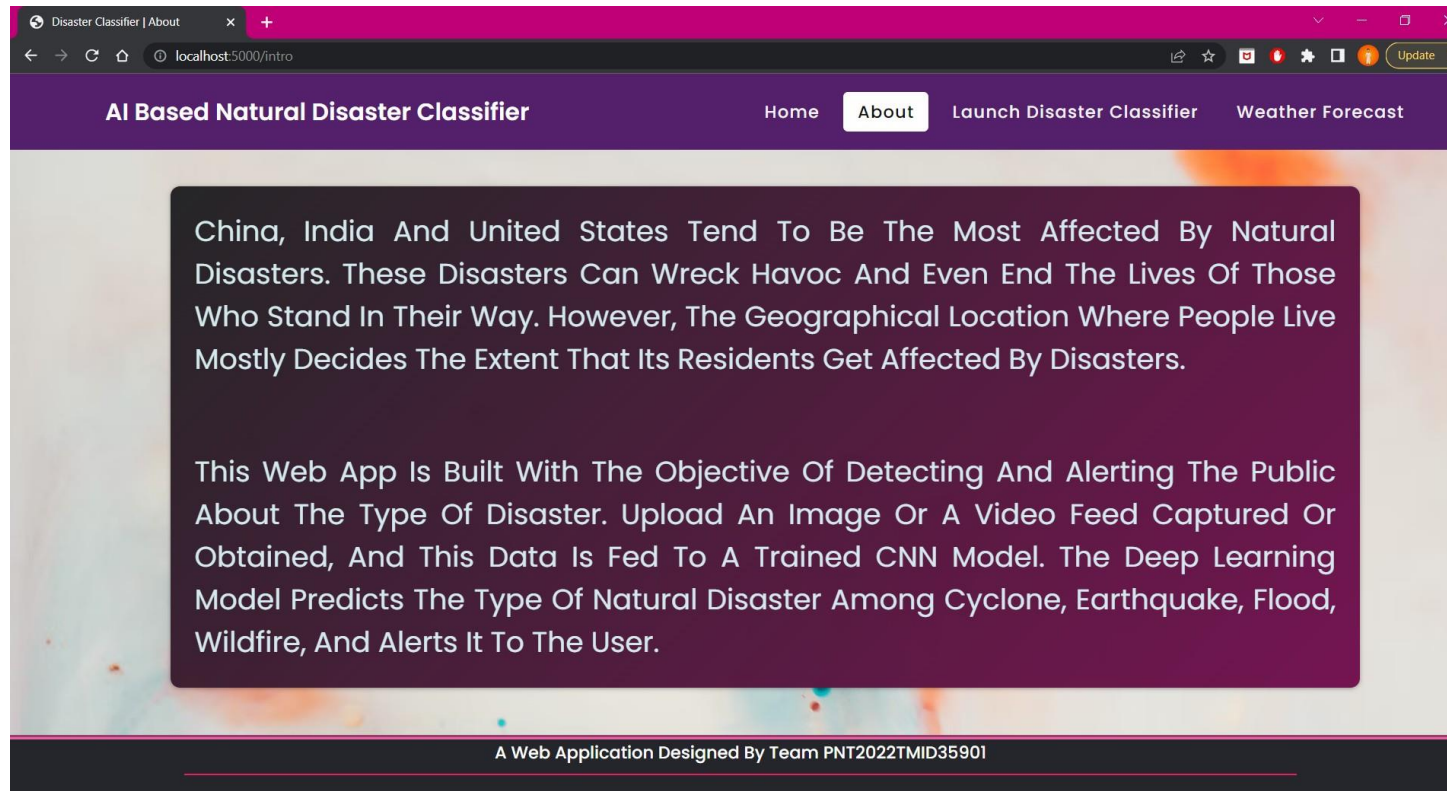
**Designing the Web App Using HTML, CSS and Javascript**

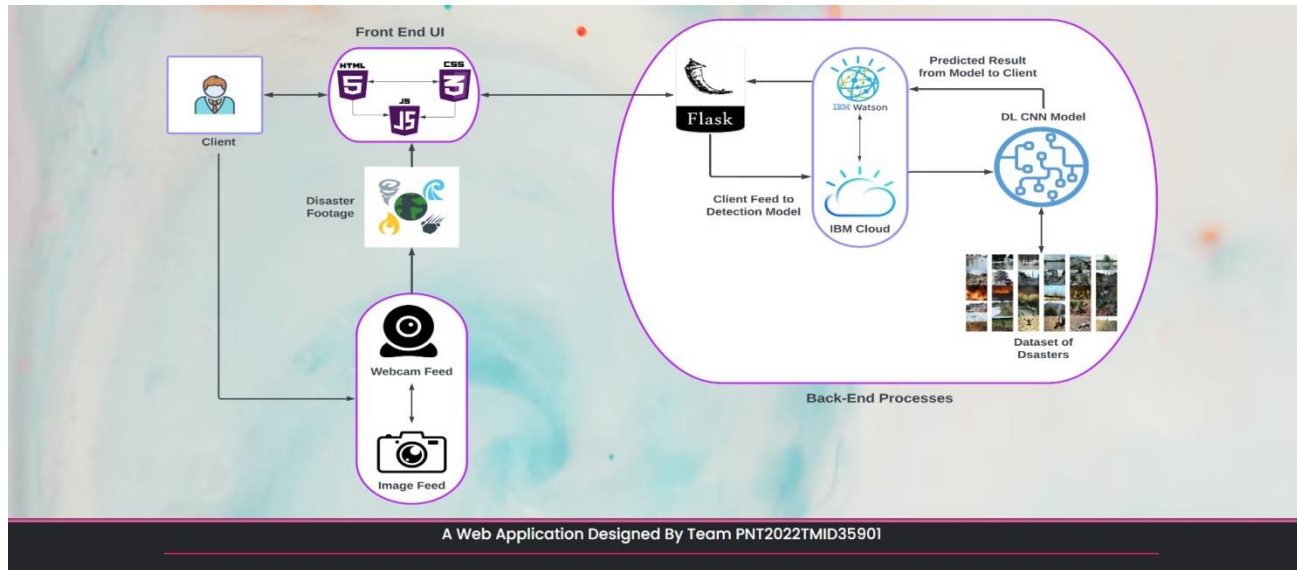
**a. Front-End:**

**1. Home page:**

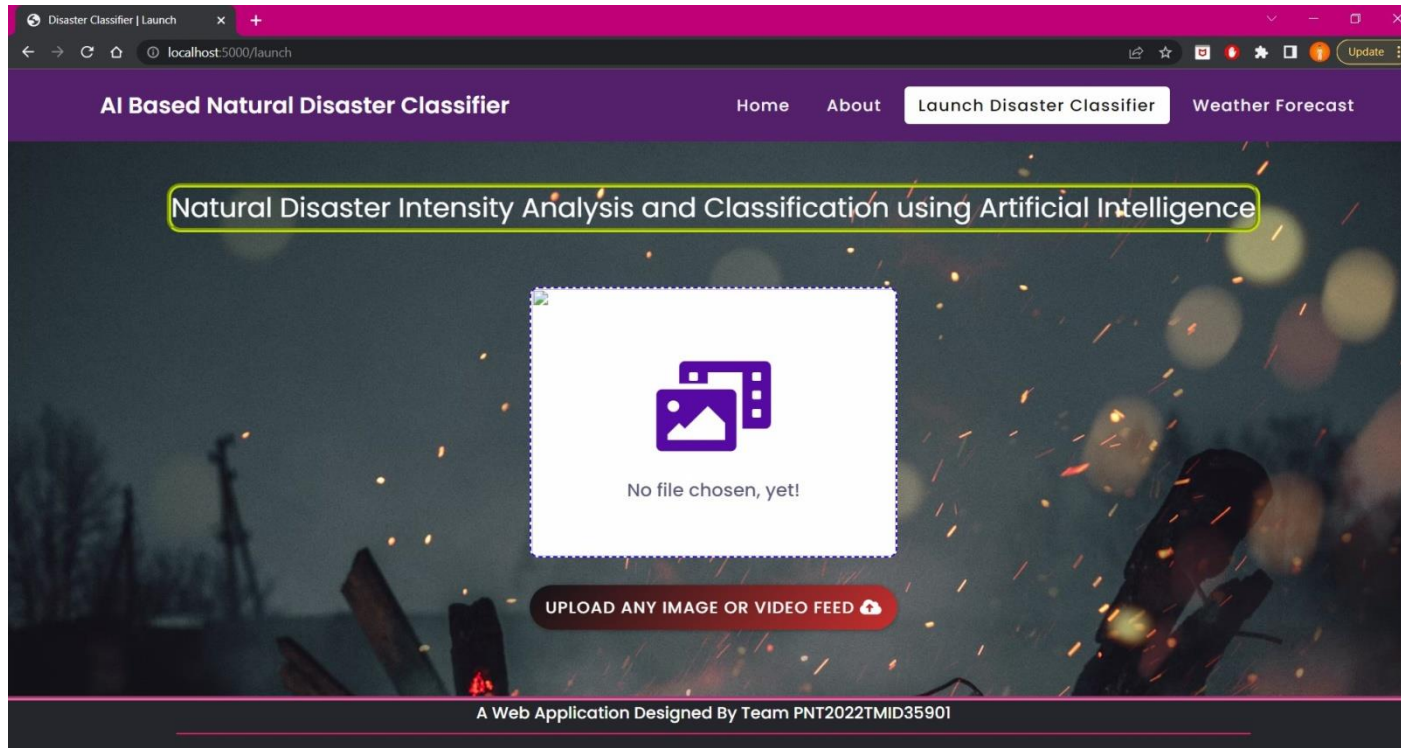


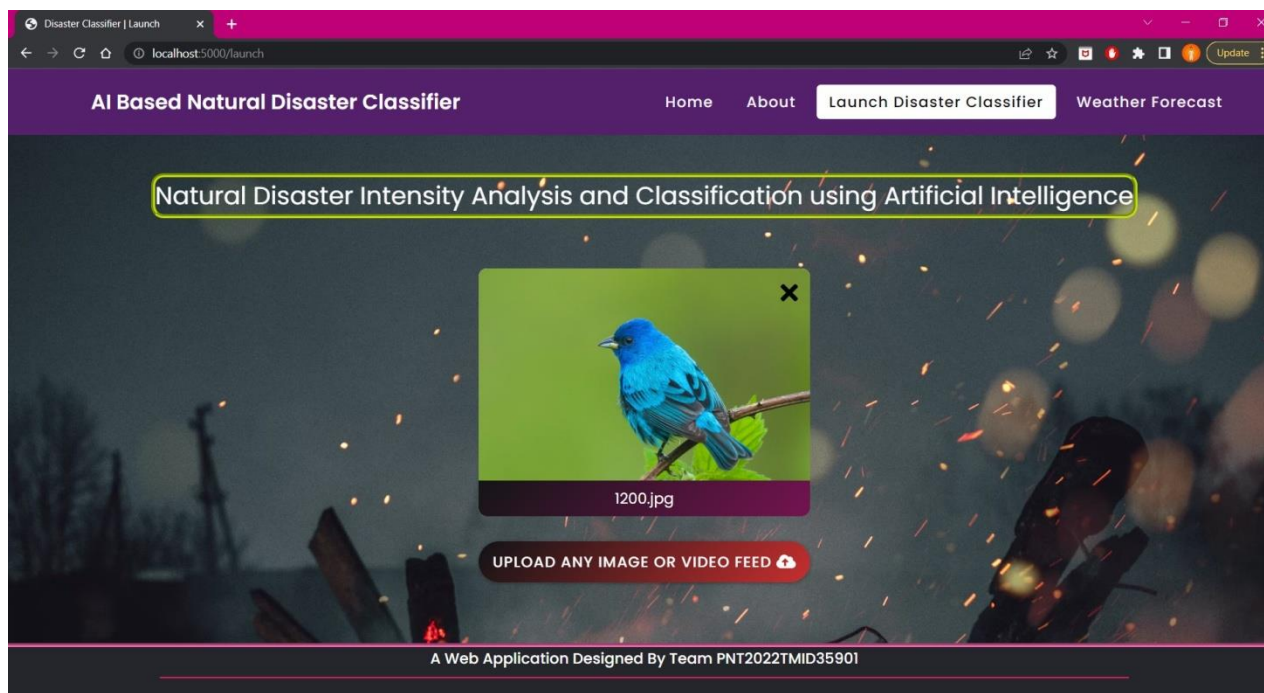
## 2. About Page:



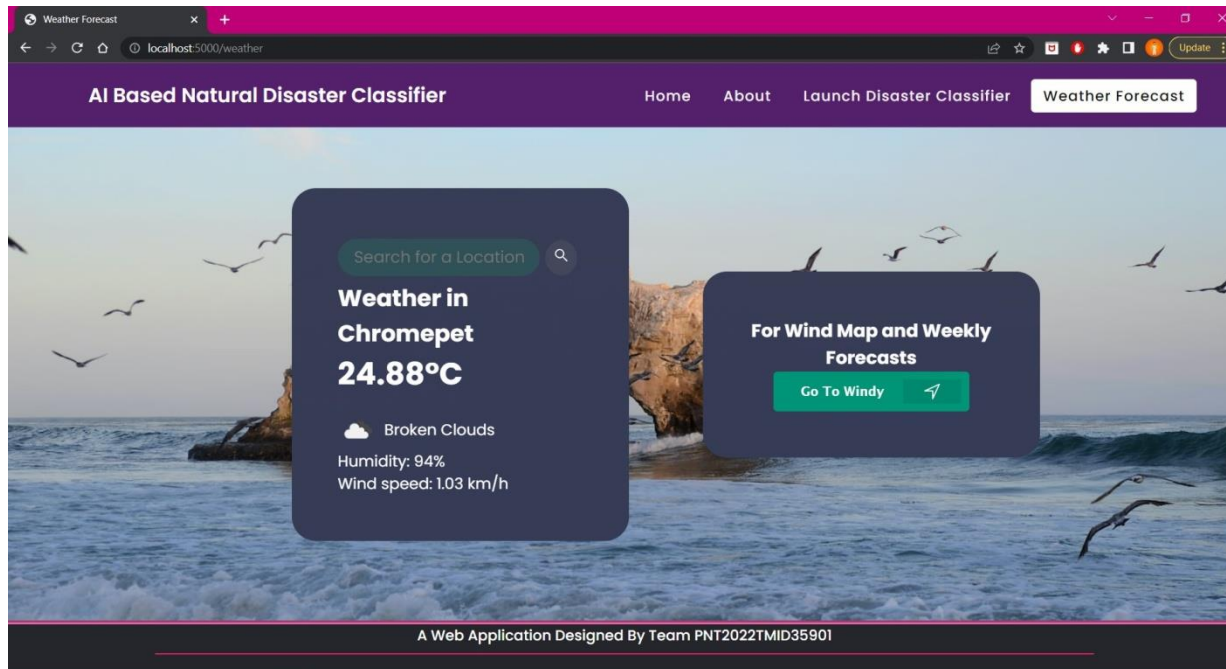


### 3. Launch Disaster Classifier Page:





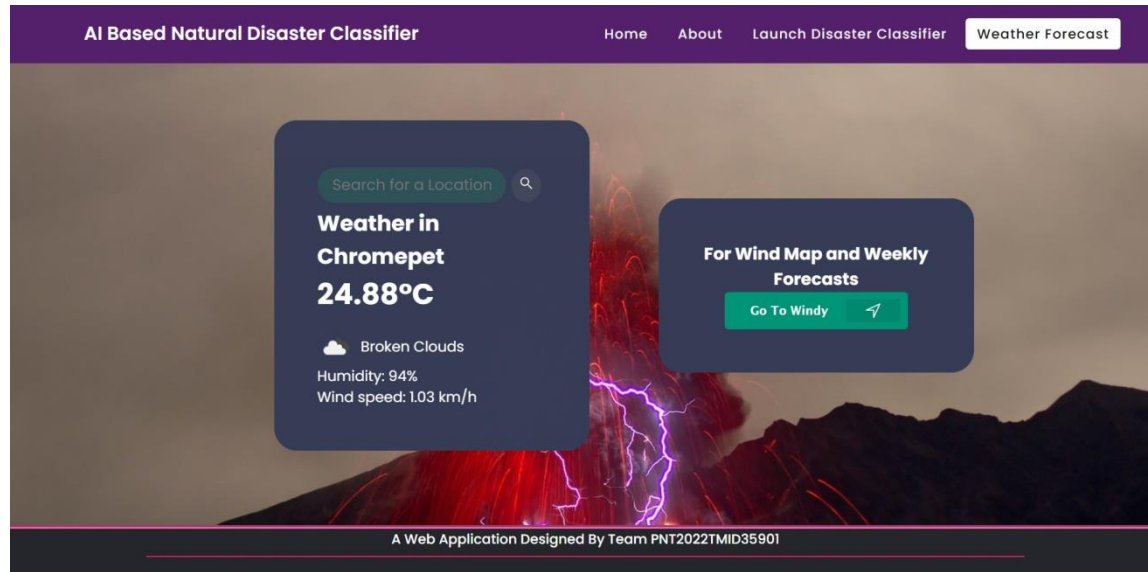
#### 4. Weather Forecast Page:(Uses Openweather API to generate weather Forecast for each city/area/district)



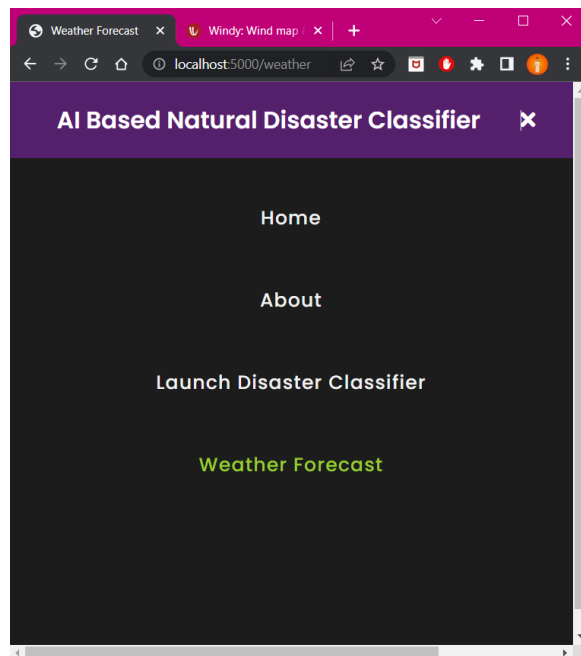


**\*Windy Link (Goes to Windy.com)**

## 5. Changing Backgrounds for Weather Forecast Page:

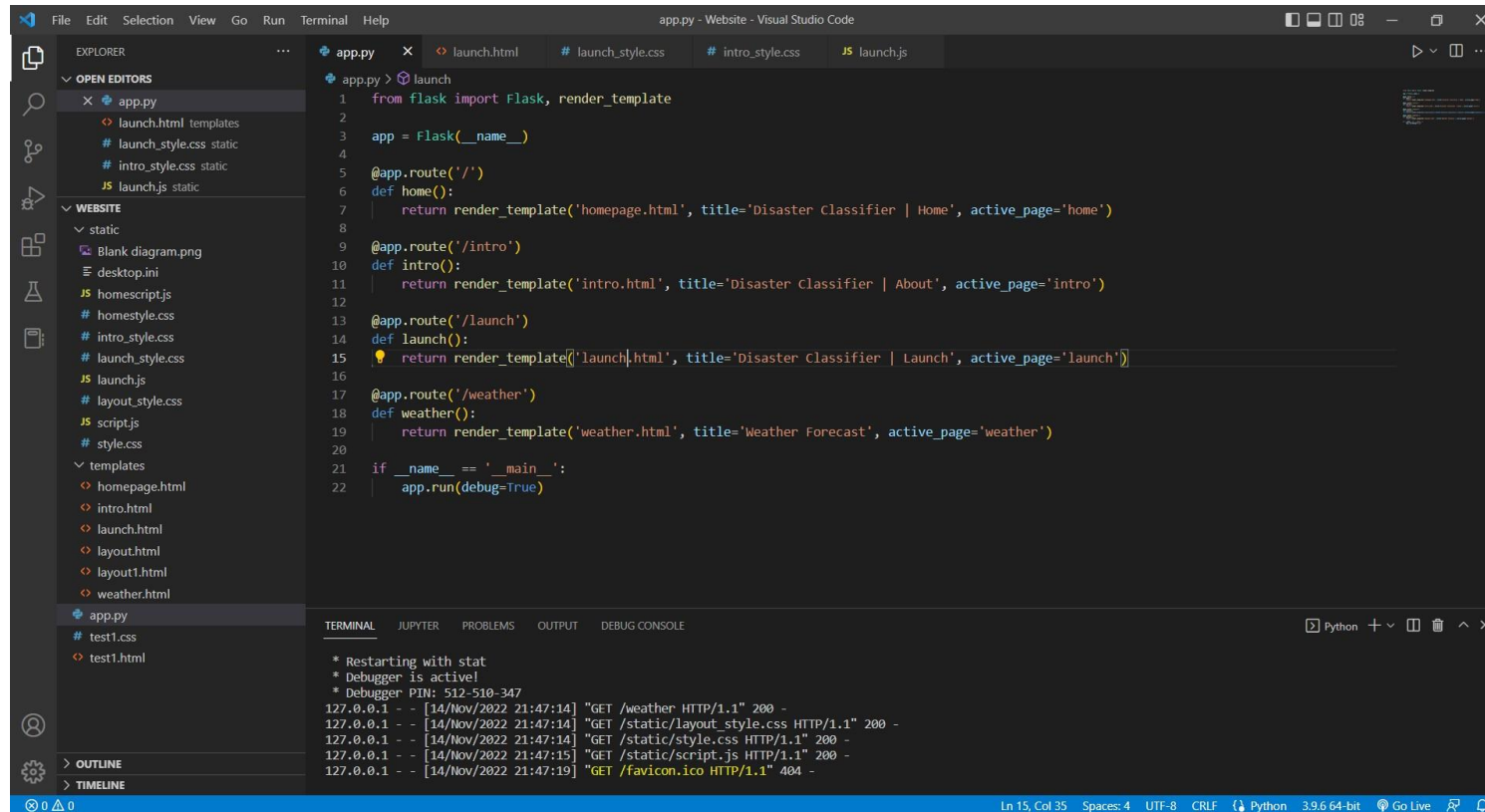


## 6. Responsive Navigation Bar:



## b. Backend Using Flask:

### 1. Created app.py with routes to HTML pages and localhost deployment



```
File Edit Selection View Go Run Terminal Help
app.py - Website - Visual Studio Code

EXPLORER
OPEN EDITORS
  app.py
  launch.html templates
  # launch_style.css static
  # intro_style.css static
  JS launch.js static
WEBSITE
  static
    Blank diagram.png
    desktop.ini
  JS homescrpt.js
  # homestyle.css
  # intro_style.css
  # launch_style.css
  JS launch.js
  # layout_style.css
  JS script.js
  # style.css
  templates
    homepage.html
    intro.html
    launch.html
    layout.html
    layout1.html
    weather.html
  app.py
  # test1.css
  # test1.html

app.py
1 from flask import Flask, render_template
2
3 app = Flask(__name__)
4
5 @app.route('/')
6 def home():
7     return render_template('homepage.html', title='Disaster Classifier | Home', active_page='home')
8
9 @app.route('/intro')
10 def intro():
11     return render_template('intro.html', title='Disaster Classifier | About', active_page='intro')
12
13 @app.route('/launch')
14 def launch():
15     return render_template('launch.html', title='Disaster Classifier | Launch', active_page='launch')
16
17 @app.route('/weather')
18 def weather():
19     return render_template('weather.html', title='Weather Forecast', active_page='weather')
20
21 if __name__ == '__main__':
22     app.run(debug=True)

TERMINAL
* Restarting with stat
* Debugger is active!
* Debugger PIN: 512-510-347
127.0.0.1 - - [14/Nov/2022 21:47:14] "GET /weather HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 21:47:14] "GET /static/layout_style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 21:47:14] "GET /static/style.css HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 21:47:15] "GET /static/script.js HTTP/1.1" 200 -
127.0.0.1 - - [14/Nov/2022 21:47:19] "GET /favicon.ico HTTP/1.1" 404 -

Ln 15, Col 35 Spaces: 4 UTF-8 CRLF Python 3.9.6 64-bit Go Live
```

\*File Structure Denoted in the Left Column

## 2. Added Flask Jinja 2 tags in HTML Pages to integrate the Web App

```
templates > launch.html > p.title.animated.fadeIn > p > div.container1.animated.fadeIn > div.wrapper1 > div.file-name
1  {%extends "layout.html"%}
2
3  {%block head%}
4      <link rel="stylesheet" href="{{url_for('static', filename='launch_style.css')}}">
5      <script src="{{url_for('static', filename='launch.js')}}" defer></script>
6  {%endblock head%}
7
8  {%block body%}
9      <p class="title animated fadeIn">Natural Disaster Intensity Analysis and Classification using Artificial Intelligence</p>
10     <div class="container1 animated fadeIn">
11         <div class="wrapper1">
12             <div class="image">
13                 <img src="" alt="">
14             </div>
15             <div class="content">
16                 <div class="icons">
17                     <i class="fas fa-photo-video i2"></i>
18                 </div>
19                 <div class="text1">
20                     No file chosen, yet!
21                 </div>
22             </div>
23             <div id="cancel-btn">
24                 <i class="fas fa-times i1"></i>
25             </div>
26             <div class="file-name">
27                 File name here
28             </div>
29         </div>
30         <button onclick="defaultBtnActive()" id="custom-btn">
31             upload any image or video feed
32             <i class="fas fa-cloud-upload-alt i2"></i></button>
33         <input id="default-btn" type="file" hidden>
34     </div>
35 {%endblock body%}
```