

Data Science Intern at Data Glacier

Week 4: Deployment on Flask

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Batch Code: LISUM35

Date: 28 July 2024

Submitted to: Data Glacier

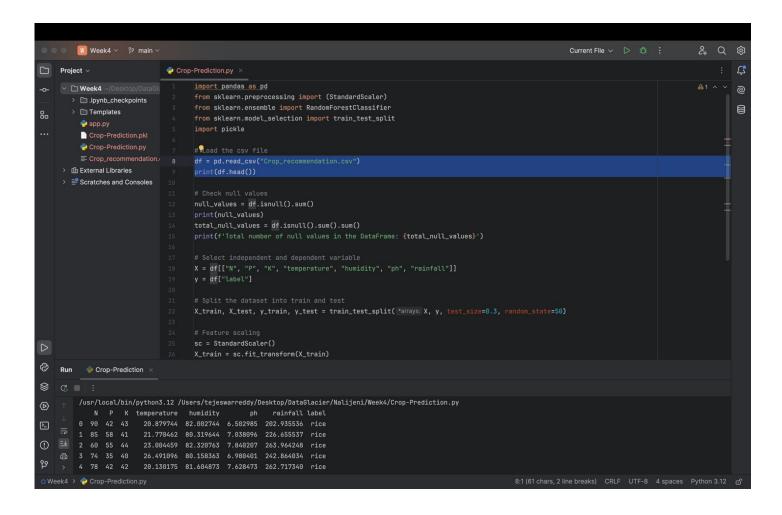
Dataset Collection:

The Data is collected from Kaggle which contains the data of crops based on certain conditions.

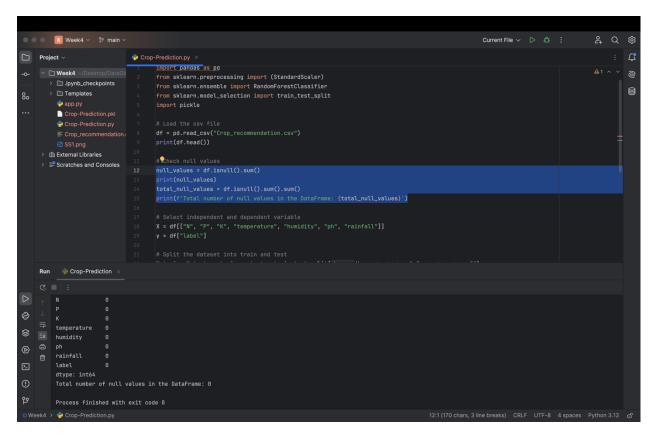
Attributes:

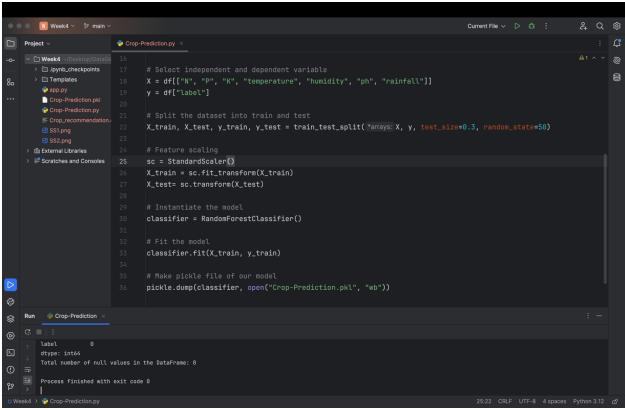
This contains 8 attributes which are N, P, K, temperature, humidity, pH, rainfall, label.

Building a Model:

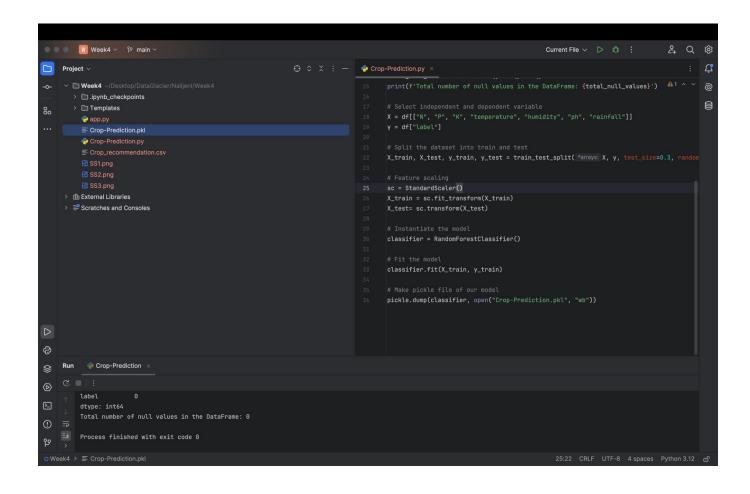


Data Preprocessing and Building the Model:





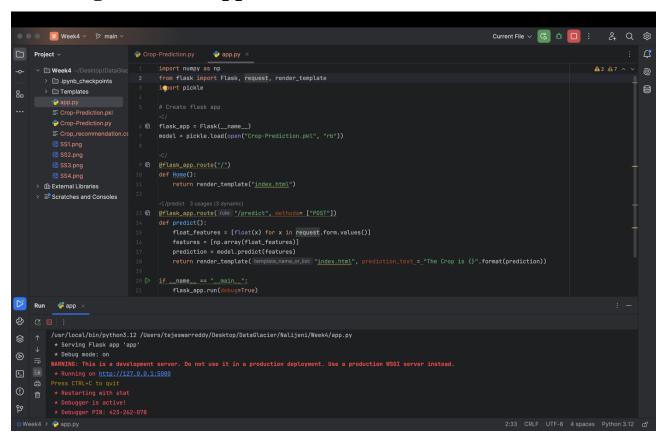
Saving the model and converting to pickle model:

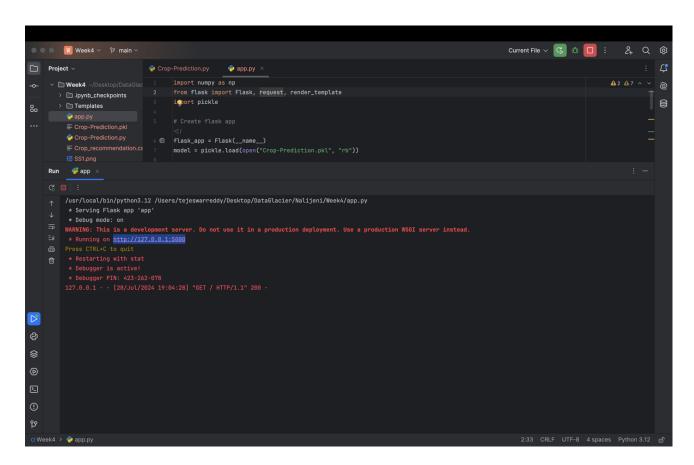


Created HTML file:

```
Week4 ∨ ° main ∨
                    <html>
                                                                                                                                                                                                                                                                             A9 /
                                                                                                                                                                                                                                                                                              80
                         .login button {
                           background-color: #4cae4c:
                   </head>
                   <body>
                    <div class="login">
                         <!-- Main Input For Receiving Query to our ML -->
<form action="{{ url_for('predict')}}" method="post">
                               <input type="text" name="P" placeholder="Phosphorus (P)" required="required" />
<input type="text" name="K" placeholder="Potassium (K)" required="required" />
<input type="text" name="temperature" placeholder="Temperature (*C)" required="required" />
                                <input type="text" name="humidity" placeholder="Humidity (%)" required="required" />
                               <input type="text" name="ph" placeholder="ph" required="required" />
<input type="text" name="rainfall" placeholder="Rainfall (mm)" required="required" />
                         </form>
                       {{ prediction_text }}
Ð
                   </body>
```

Creating flask web application:





Result of Web App:

