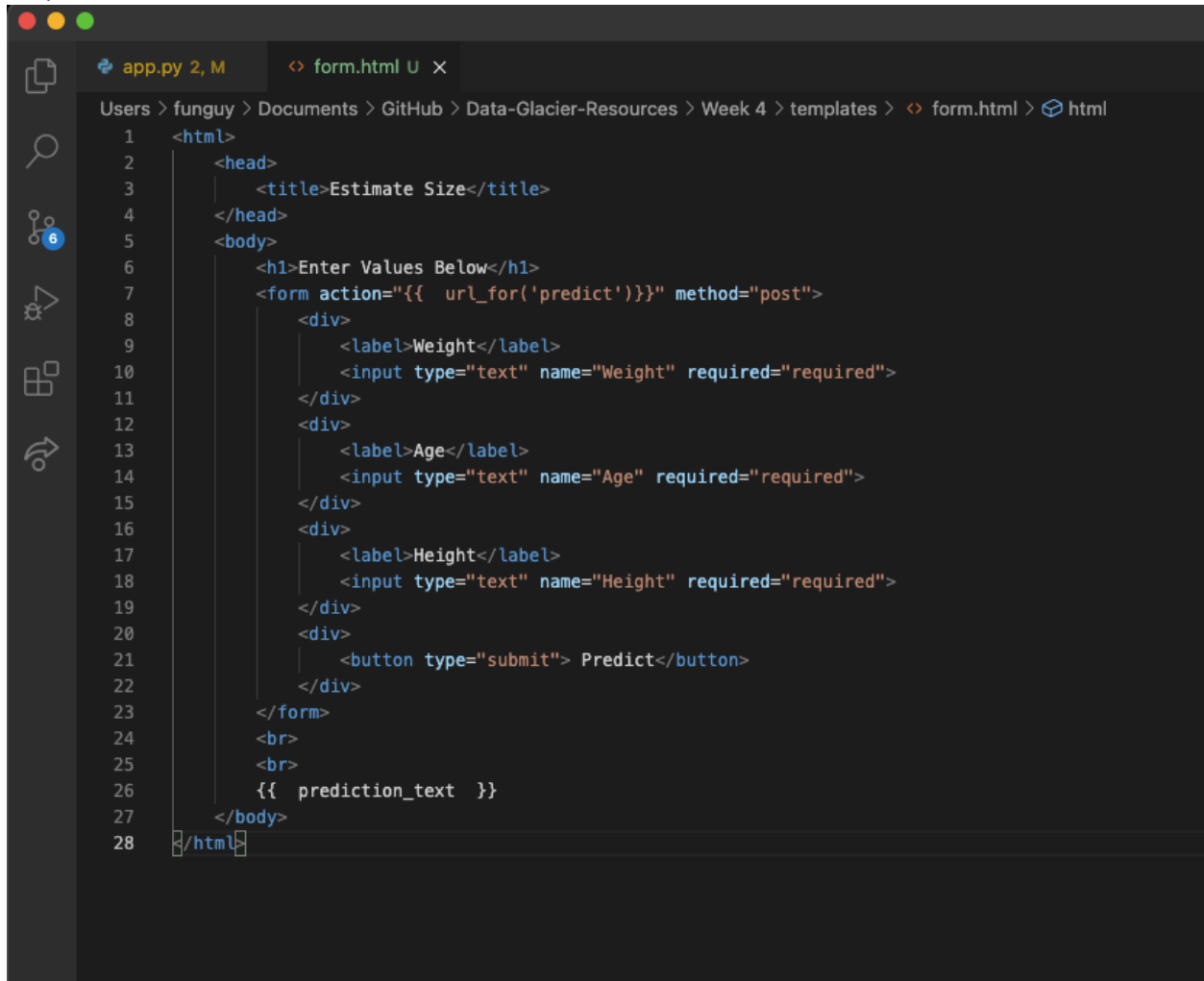


Name: Arhum Ahmad

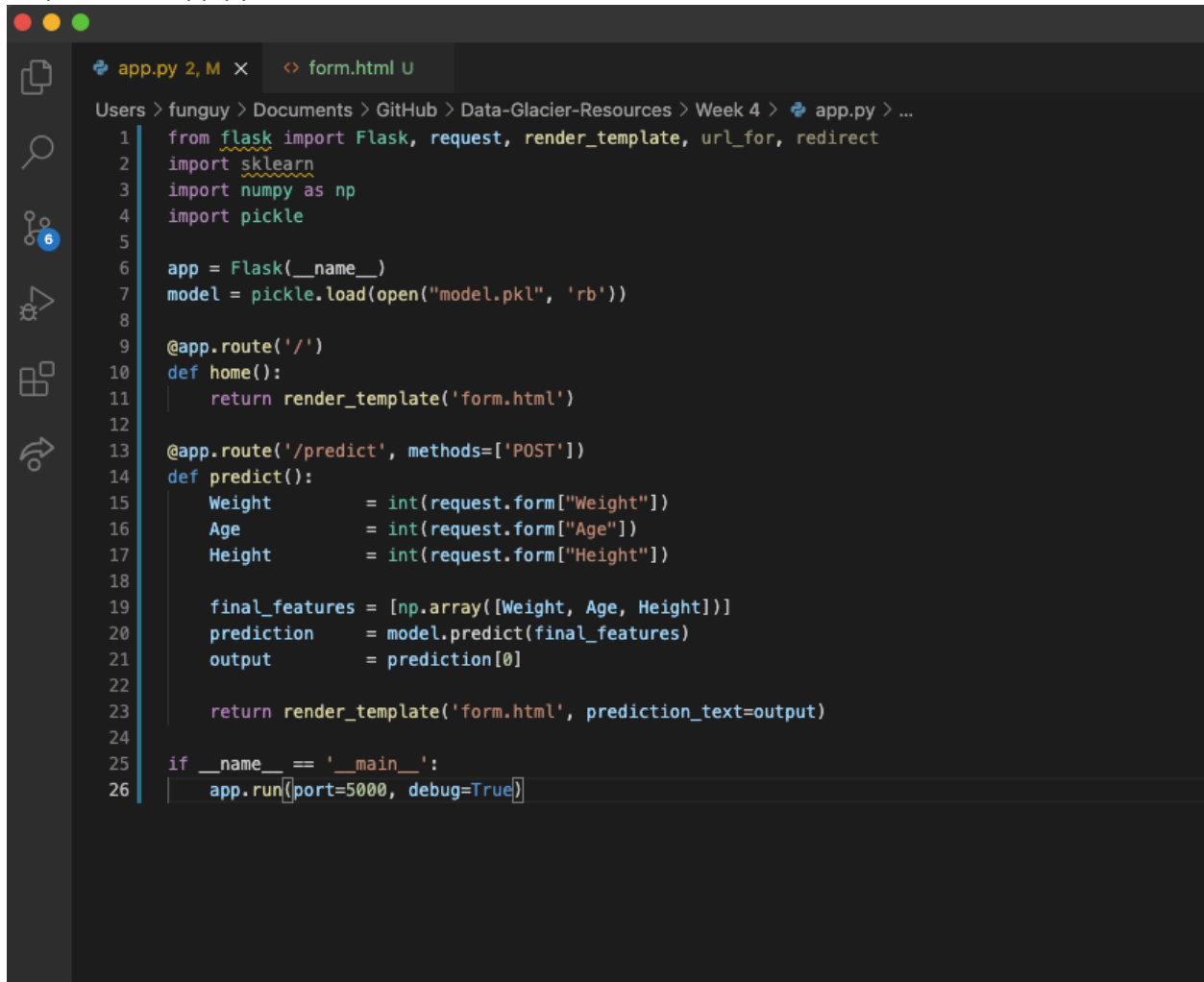
Submitted to Data Glacier on August 10, 2021

Step 1: make html file



```
1 <html>
2   <head>
3     <title>Estimate Size</title>
4   </head>
5   <body>
6     <h1>Enter Values Below</h1>
7     <form action="{{ url_for('predict')}}" method="post">
8       <div>
9         <label>Weight</label>
10        <input type="text" name="Weight" required="required">
11      </div>
12      <div>
13        <label>Age</label>
14        <input type="text" name="Age" required="required">
15      </div>
16      <div>
17        <label>Height</label>
18        <input type="text" name="Height" required="required">
19      </div>
20      <div>
21        <button type="submit"> Predict</button>
22      </div>
23    </form>
24    <br>
25    <br>
26    {{ prediction_text }}
27  </body>
28</html>
```

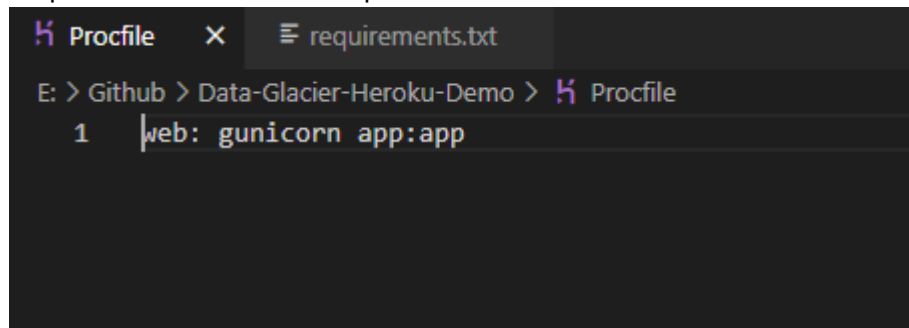
## Step 2: create app.py



The screenshot shows a code editor with a dark theme. The top bar has two tabs: 'app.py 2, M' and 'form.html U'. The left sidebar contains icons for file explorer, search, source control, and other IDE features. The main editor area displays the following Python code for 'app.py':

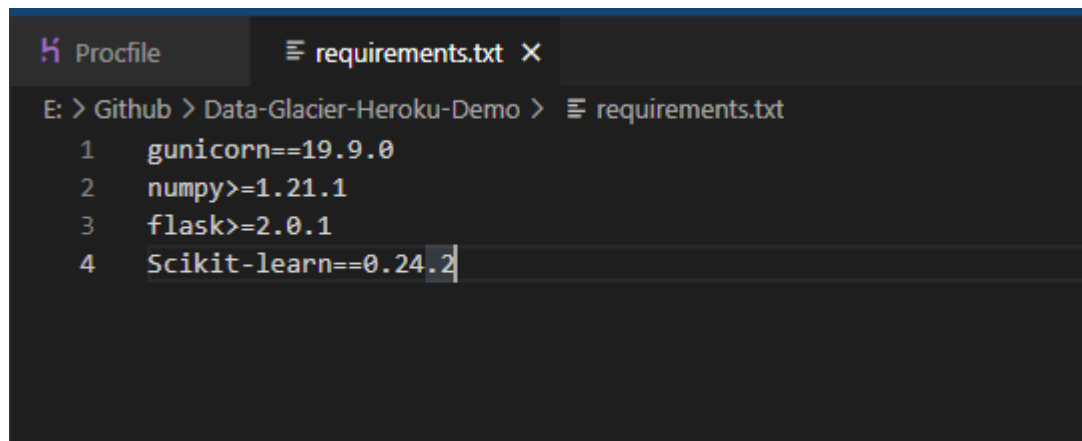
```
1 from flask import Flask, request, render_template, url_for, redirect
2 import sklearn
3 import numpy as np
4 import pickle
5
6 app = Flask(__name__)
7 model = pickle.load(open("model.pkl", 'rb'))
8
9 @app.route('/')
10 def home():
11     return render_template('form.html')
12
13 @app.route('/predict', methods=['POST'])
14 def predict():
15     Weight = int(request.form["Weight"])
16     Age = int(request.form["Age"])
17     Height = int(request.form["Height"])
18
19     final_features = [np.array([Weight, Age, Height])]
20     prediction = model.predict(final_features)
21     output = prediction[0]
22
23     return render_template('form.html', prediction_text=output)
24
25 if __name__ == '__main__':
26     app.run(port=5000, debug=True)
```

Step 3: create Procfile and requirements.txt



A screenshot of a code editor with two tabs: 'Procfile' and 'requirements.txt'. The 'Procfile' tab is active. The editor shows the path 'E: > Github > Data-Glacier-Heroku-Demo > Procfile' and a single line of code: '1 web: gunicorn app:app'.

```
Procfile
E: > Github > Data-Glacier-Heroku-Demo > Procfile
1 web: gunicorn app:app
```



A screenshot of a code editor with two tabs: 'Procfile' and 'requirements.txt'. The 'requirements.txt' tab is active. The editor shows the path 'E: > Github > Data-Glacier-Heroku-Demo > requirements.txt' and four lines of code: '1 gunicorn==19.9.0', '2 numpy>=1.21.1', '3 flask>=2.0.1', and '4 Scikit-learn==0.24.2'.

```
requirements.txt
E: > Github > Data-Glacier-Heroku-Demo > requirements.txt
1 gunicorn==19.9.0
2 numpy>=1.21.1
3 flask>=2.0.1
4 Scikit-learn==0.24.2
```

## Step 4: deploy on Heroku

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

...

...

Create New App

App name

shirt-size-prediction-api

shirt-size-prediction-api is available

Choose a region

United States

Add to pipeline...

Create app

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App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [ArhumAhmad/Data-Glacier-Heroku-Demo](#) by [ArhumAhmad](#) [Disconnect...](#)

Releases in the [activity feed](#) link to GitHub to view commit diffs

Automatic deploys

Code diffs, manual and auto deploys are available for this app.

You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

Enable automatic deploys from GitHub

Every push to the branch you specify here will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch is always in a deployable state and any tests have passed before you push. [Learn more](#)

Choose a branch to deploy

main

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#)

Choose a branch to deploy

main

Deploy Branch

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

...

...

main

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#)

Choose a branch to deploy

main

Deploy Branch

Receive code from GitHub

Build main :421cdc4c

Release phase

Deploy to Heroku

...

Your app was successfully deployed.

[View](#)

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Step 5: data entry

← → ↻ 🏠 <https://shirt-size-prediction-api.herokuapp.com>

## Enter Values Below

Weight

Age

Height

← → ↻ 🏠 <https://shirt-size-prediction-api.herokuapp.com/predict>

## Enter Values Below

Weight

Age

Height

XXXXL