

Deploy a ML web app to Heroku

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Batch code: NLP01

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The Machine Learning web app that I developed last week using Flask has been deployed to Heroku and can be accessed through [this link](#)

This is the process I followed:

1. Get the dependencies file ready and set the Procfile up as type web

```
Flask==2.0.2
gunicorn==20.1.0
matplotlib==3.4.3
pandas==1.3.4
pip==21.2.4
scikit-learn==1.0.1
```

```
web: gunicorn app:app
```

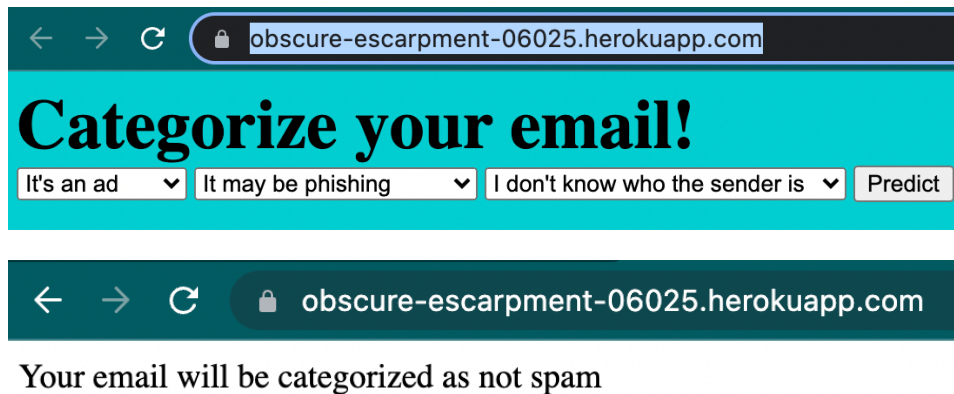
2. Once I committed the repository, I updated Github and pushed the code to Heroku too: `% git push heroku main`

```
Uninstalling pip-21.3.1:
  Successfully uninstalled pip-21.3.1
  Successfully installed Flask-2.0.2 Jinja2-3.0.3 MarkupSafe-2.0.1 Werkzeug-2.0.2 click-8.0.3
  kiwisolver-1.3.2 matplotlib-3.4.3 numpy-1.21.4 pandas-1.3.4 pillow-8.4.0 pip-21.2.4 pyparsing-
  1.7.2 six-1.16.0 threadpoolctl-3.0.0
-----> Discovering process types
  Procfile declares types -> web
-----> Compressing...
  Done: 173.6M
-----> Launching...
  Released v3
  https://obscure-escarpment-06025.herokuapp.com/ deployed to Heroku
```

Build finished

Deploy a ML web app to Heroku

3. Access the web app to check it out



obscure-escarpment-06025.herokuapp.com

Categorize your email!

It's an ad ▼ It may be phishing ▼ I don't know who the sender is ▼ Predict

obscure-escarpment-06025.herokuapp.com

Your email will be categorized as not spam

4. Also sent both GET and POST requests through the command line to test it out

```
juancarlos@MacBook-Pro-de-Juan ~ % curl https://obscure-escarpment-06025.herokuapp.com/  
<strong style="font-size:40px">Categorize your email!</strong>  
  
<form method="post">  
  <select name="ad">  
    <option value="1">It's an ad</option>  
    <option value="2">It's not an ad</option>  
  </select>  
  
  <select name="phishing">  
    <option value="1">It may be phishing</option>  
    <option value="2">Not phishing apparently</option>  
  </select>  
  
  <select name="sender">  
    <option value="1">I don't know who the sender is</option>  
    <option value="2">The sender is a contact of mine</option>  
  </select>  
  
  <input type="submit" value="Predict">  
</form>  
  
<body style="background-color:rgb(0, 206, 209);">  
</body>
```

```
juancarlos@MacBook-Pro-de-Juan ~ % curl --data "ad=1&phishing=1&sender=1" https://obscure-escarpment-06025.herokuapp.c  
om/  
Your email will be categorized as not spam
```