Deployment on Flask

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My deployment on flask task was relatively simple. I used a CSV file to predict the salary of an employee based on three factors.

I started off by getting a CSV file containing four columns, Years of Experience, Age, Interview Score and Salary and loaded the CSV file to my IDE to build my model. Even though my data was not big, I try to make it a habit to make sure my data is correct and complete by filling any N/A cells with 0.

Then, I used Linear Regression as showed below.

```
dataset = pd.read_csv('Salary_Data.csv')

dataset['YearsExperience'].fillna(0, inplace=True)

X = dataset.iloc[:, :3]

y = dataset.iloc[:, -1]

from sklearn.linear_model import LinearRegression
    regressor = LinearRegression()

#Fitting model with trainig data
    regressor.fit(X, y)
```

Lastly, I saved the model for later usage.

```
# Saving model to disk
pickle.dump(regressor, open('model.pkl','wb'))
```

After I was done with the model, it was time to deploy it using Flask.

I imported the libraries necessary for the task and loaded the model.

```
import numpy as np
from flask import Flask, request, render_template
import pickle

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

Then, I created a user interface to display the prediction. I used NumPy to generate the predictions.

Here's an example:

