

```
# -*- coding: utf-8 -*-  
"""deployment_report.pdf
```

Automatically generated by Colab.

Original file is located at
https://colab.research.google.com/drive/14tUNRS4ukL504dL_3lPScGvnyNqlFQTD

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"""

```
from sklearn.datasets import load_iris  
data = load_iris()  
X, y = data.data, data.target
```

```
!pip install pyngrok
```

```
from pyngrok import ngrok
```

```
# Set your authtoken  
ngrok.set_auth_token("2lGQJYa1uwm0ye7avhXDnQ1C5vC_6JJ1Nc4gDQ7Z2q2fUo2yH")
```

```
# Start the ngrok tunnel on port 5000  
public_url = ngrok.connect(5000)  
print(f"ngrok tunnel started: {public_url}")
```

```
import requests
```

```
# Define the URL  
url = "https://5bdc-35-197-9-105.ngrok-free.app/predict"
```

```
# Define the data payload  
data = {  
    "data": [5.1, 3.5, 1.4, 0.2]  
}
```

```
# Send the POST request  
response = requests.post(url, json=data)
```

```
# Print the raw response  
print("Response Status Code:", response.status_code)  
print("Response Text:", response.text)
```

```
# Attempt to parse JSON, if possible
```

```

try:
    print("Response JSON:", response.json())
except requests.exceptions.JSONDecodeError:
    print("Response is not in JSON format.")

from flask import Flask, request, jsonify
from joblib import load

app = Flask(__name__)

try:
    model = load('model.joblib')
    print("Model loaded successfully.")
except Exception as e:
    print(f"Error loading model: {e}")

@app.route('/predict', methods=['POST'])
def predict():
    try:
        data = request.json['data']
        print(f"Received data: {data}")
        prediction = model.predict([data])
        return jsonify({'prediction': int(prediction[0])})
    except Exception as e:
        return jsonify({'error': str(e)})

if __name__ == '__main__':
    app.run()

from pyngrok import ngrok

ngrok.set_auth_token("2lGQJYa1uwm0ye7avhXDnQ1C5vC_6JJ1Nc4gDQ7Z2q2fUo2yH")
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print(f"ngrok tunnel started: {public_url}")

```