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➕ **Micro IT Internship 2025**

Project 02 (15) : Sentiment Analysis Web App

- **Folder Structure :**

```
sentiment-analysis/
├── app.py
├── templates/
│   └── index.html
```

- App.py :

```python
from flask import Flask, render_template, request
from textblob import TextBlob

app = Flask(__name__)

@app.route('/', methods=['GET', 'POST'])
def index():
    result = ""
    if request.method == 'POST':
        user_input = request.form['text']
        blob = TextBlob(user_input)
        polarity = blob.sentiment.polarity
        if polarity > 0:
            result = "😊 Positive"
        elif polarity < 0:
            result = "😧 Negative"
        else:
            result = "😐 Neutral"
    return render_template('index.html', result=result)

if __name__ == '__main__':
    app.run(debug=True)
```

- **Templates/index.html :**

```html
<!DOCTYPE html>
<html>
```

```
<head><title>Sentiment Analysis</title></head>
<body>
    <h2>Enter your sentence:</h2>
    <form method="POST">
        <textarea name="text" rows="4" cols="50" required></textarea><br><br>
        <input type="submit" value="Analyze">
    </form>
    <h3>{{ result }}</h3>
</body>
</html>
```

- **How project to be run :**

1.Install requirement :

      pip install flask textblob

      python -m textblob.download_corpora

2.Run Project

      python app.py