

DEMO PROJECT

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1) App.py –

```
import gradio as gr
from transformers import pipeline

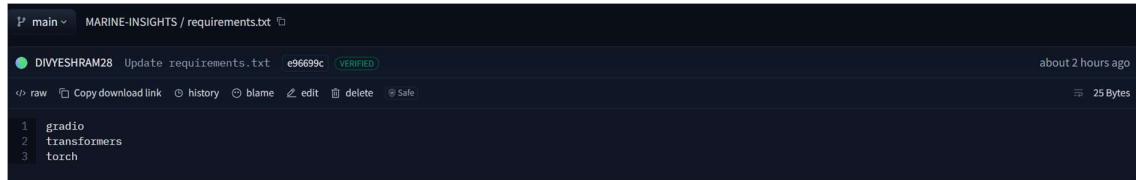
analyzer = pipeline("sentiment-analysis")

def analyze(text):
    if not text.strip():
        return "Please provide text!", "N/A"
    res = analyzer(text)[0]
    sentiment = f"🌐 Sentiment: **{res['label']}** (Confidence: {res['score'][0]:.2f})"
    keywords = [k for k in text.split() if k.lower() in ["sea", "ocean", "reef", "marine", "plastic"]]
    return sentiment, ".join(keywords) if keywords else "No marine terms detected."

with gr.Blocks(theme=gr.themes.Soft(primary_hue="cyan", neutral_hue="blue")) as demo:
    gr.HTML("""
        <div style="background:linear-gradient(180deg,#00BFFF,#0077B6);padding:20px;border-radius:10px;text-align:center;color:white;">
            <h1>🌐 Ocean Intelligence Analyzer</h1>
            <p>Explore marine and environmental text through AI 🌎</p>
        </div>
    """)
    txt = gr.Textbox(label="Type or paste marine-related text 🌐", lines=3)
    btn = gr.Button("Analyze 🌎", variant="primary")
    out1 = gr.Markdown()
    out2 = gr.Textbox(label="Detected Keywords", interactive=False)
    btn.click(analyze, txt, [out1, out2])
    gr.HTML("""<footer style="text-align:center;color:white;padding:10px;"> Created  
By Divyesh Ram | Applied Machine Learning for Text Analysis Project</footer>""")

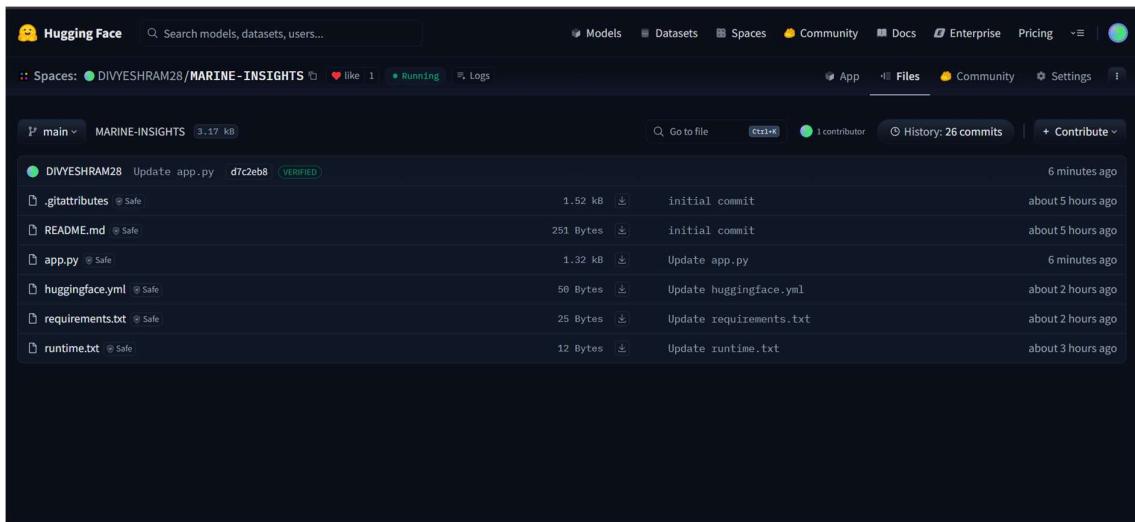
demo.launch()
```

2) Requirements.txt –



A screenshot of a GitHub commit page for the file `requirements.txt`. The commit was made by `DIVYESHARAM28` with a timestamp of "about 2 hours ago". The commit message is "Update requirements.txt" and the SHA is `e96699c`. The file content is:

```
1 gradio
2 transformers
3 torch
```



A screenshot of a Hugging Face repository page for the space `DIVYESHARAM28/MARINE-INSIGHTS`. The repository has 1 contributor and 26 commits. The main file listed is `app.py`. Other files shown include `.gitattributes`, `README.md`, `requirements.txt`, `runtime.txt`, and `huggingface.yml`. The `requirements.txt` file was updated about 2 hours ago.

OUTPUT-

The screenshot shows a web-based AI text analysis tool named "Ocean Intelligence Analyzer". The interface includes a header with navigation links like "Spaces", "App", "Files", "Community", and "Settings". The main area features a blue header bar with the title "Ocean Intelligence Analyzer" and a subtitle "Explore marine and environmental text through AI". Below this is a text input field containing the sentence "coral reefs are good for the ocean". A teal button labeled "Analyze" is positioned below the input field. Underneath the analysis button, the text "Sentiment: POSITIVE (Confidence: 1.00)" is displayed. A section titled "Detected Keywords" lists the word "ocean". At the bottom of the page, there is footer text: "Created By Divyesh Ram | Applied Machine Learning for Text Analysis Project", "Use via API", "Built with Gradio", and "Settings".