AI Text Generator (Sentiment-Based)

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## Objective

To build an AI Text Generator that generates a paragraph aligned with the sentiment of a given prompt.

Methadology Used

- Sentiment Analysis: TextBlob

- Text Generation: GPT-2(Medium & Fast) (Hugging Face Transformers)

- Framework: Flask for frontend/backend integration

- Deployment: Render (Used free hosting)

Steps Used

1. Detected sentiment of input text.

2. Generated text using GPT-2 based on sentiment and prompt.

3. Displayed result in web interface.

Challenges

- Model loading time on hosting

- Token limits for large text generation

- Styling and responsive frontend design

Results

Functional web app where users can input text, choose sentiment, model, and get coherent AI-generated paragraphs.

Demo Link

Can’t be deployed because of big model gpt-2 is used it take more than 1.5GB data.

Frontend Interface

