

Part of Remoder AI Engineer Upskilling Program

Prom code → **container** → **working AI API**.



Remoder Inc. - <u>remoder.com</u>

The Problem



- **X** Most engineers struggle with:
 - Running Al locally
 - Deploying models with APIs (**)
 - Packaging everything consistently

The Solution



- **Our project:**
- Fastapi + Distilgpt2 + Docker

One-click deployable AI API

Generates text on demand

What This App Does



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Accepts user input via /generate/ endpoint

Returns Al-generated text in JSON

Acts as a mini chatbot or text generator

How It Works



- 1. 🐍 Python + 🗲 FastAPI = backend server
- 2. A Hugging Face Transformers loads LLM
- 3. Some Docker wraps the entire app
- 4. **/** Test with curl or Postman

Tech Stack



PyTorch 6 → ML engine

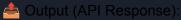
FastAPI → Modern API framework

Uvicorn ≯ → Super-fast ASGI server

Docker ❖ → Containerized deployment

Demo Example





"The future of AI is always interesting. This is particularly true when it comes to the technology, and the challenges with AI are endless and the possibilities. If artificial intelligence wins, humanity will find itself with a more personalized version of our thinking."

```
■ > simple-llm git:(main) x curl -X POST "http://localhost:8000/generate/" \
-H "Content-Type: application/json" \
-d '{"text": "The future of AI is"}'
```

{"generated_text":"The future of AI is always interesting. This is particularly true when it comes to the technology, and the challenges with AI are endless a nd the possibilities. If artificial intelligence wins, humanity will find itself with a more personalized version of our thinking.\n\n"}



Why It's Cool



- ✓ Simple & reproducible
- Quick Al deployment demo
- **Extendable to bigger LLMs**
- **©** Great for client demos & education

Skills Learned



- Python backend with FastAPI
- Docker containerization

Serving LLMs as REST APIs

API testing with curl & Postman

Wrap Up



ightharpoonup This project transforms a simple script ightharpoonup a deployable AI API.

Takeaway:

"The future belongs to those who don't just use AI — they build with it & deploy it."

#AI #Docker #FastAPI #LLM #Remoder

Questions?



Contact us & come learn with us $9(9_{\circ})^{\circ}$

- https://www.linkedin.com/company/remoder
- https://www.linkedin.com/in/sanjars/
- https://www.youtube.com/@remoder-inc
- <u>remoder.com</u>
- Full walkthrough of this project is available on our "Master Al Deployment " course