1. Folder structure (must look like this)

Your project folder should be:

HR_Assistant_Agent/

|

├── app.py

├── ingest.py

├── hr_policy.pdf ✅ (must NOT be empty – more than 100 KB is better)

After running ingest, you will also see:

hr_db/ ✅ (auto-created)

├── index.faiss

└── index.pkl

✅ 2. Install required libraries (one time only)

Open **PowerShell** and run:

pip install streamlit langchain langchain-community langchain-openai

pip install pypdf faiss-cpu

✅ 3. Create a NEW OpenAI API key

1. Open: **https://platform.openai.com/api-keys**
2. Click **Create new secret key**
3. Copy it (do NOT share it here)
4. Delete your old leaked keys

✅ 4. Set API key in PowerShell (NOT in any file)

Enter your project folder:

cd C:\Users\jamak\OneDrive\Pictures\Desktop\HR_Assistant_Agent

Then set the key:

$env:OPENAI_API_KEY="PASTE_YOUR_NEW_KEY_HERE"

⚠️ Do **NOT** type the C:\Users\...> part

⚠️ Do **NOT** paste the key in chat

✅ 5. Create the vector database (VERY IMPORTANT)

Now run:

python ingest.py

If successful, you will see:

✅ PDF loaded successfully

✅ Text splitting done

✅ hr_db folder created successfully!

And a new folder appears:

hr_db

  index.faiss

  index.pkl

If this does NOT happen → the app will NEVER work.

✅ 6. Run the Streamlit app (correct way)

Now, and only now, run:

streamlit run app.py

You will see:

Local URL: http://localhost:8501