Architecture: -

rag\_chatbot/

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├── app.py # Main Streamlit or Flask app (user interface)

├── rag\_pipeline.py # Core logic: chunking, embeddings, retrieval

├── .env # Stores your OpenAI API key (not for GitHub)

├── requirements.txt # List of all dependencies

├── README.md # Project overview, setup guide, and architecture

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├── sample\_docs/ # Folder for uploaded PDFs or test documents

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├── vector\_store/ # (Optional) Save FAISS index here

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├── utils/ # Helper scripts if needed later

│ ├── preprocessing.py # (Optional) text cleaning, formatting

│ └── file\_io.py # (Optional) handling uploads or file saving

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├── Dockerfile # (Optional) For containerization

└── .gitignore # To ignore env, .env, and large files