## Al-Powered PDF Q&A System - Prerequisites Guide

This document outlines th	e necessary	prerequisites	and set	up steps	to run	the	Al-powered	PDF
document Q&A system loca	ally.							
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Python Environment								
- Python 3.8 or later								
- pip (comes with Python)								
- Virtual environment (reco	mmended)							
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To set up the environment:								
python -m venv venv								
venv\Scripts\activate								
pip install -r requirement	s.txt							
Ollama (Local II M Sonyar)								
Ollama (Local LLM Server)								

Used to run the LLaMA 3 language model locally.

1. Install from: https://ollama.com/download	
(Or use the PowerShell command below)	
Invoke-WebRequest https://ollama.com/download/OllamaSetup.exe	-OutFile
"\$env:TEMP\OllamaSetup.exe"; Start-Process "\$env:TEMP\OllamaSetup.exe"	
2. Pull the LLaMA 3 model:	
ollama pull llama3	
3. Start the Ollama server:	
ollama serve	
Expected to be available at: http://127.0.0.1:11434	
Verify Ollama is Running	
Use this curl command to check the API:	
curl http://localhost:11434	
Should return:	

{"status":"OK"}

Summary

Tool	Purpose	Install Location or Command
Python	Run backend + Stream	lit app   https://python.org
pip	Install Python packages	Comes with Python
Ollama	Run LLaMA model loca	ally   https://ollama.com/download
llama3	LLM used by this system	m   ollama pull llama3
FAISS	Vector search DB	Installed via requirements.txt