

AI Dev

AI Develop Framework

- [LangChain](#) (python + node.js)
- [LlamaIndex](#) (python)
- [Haystack](#) (python)
- [Phidata](#) (python)

- LlamaIndex

- [Ollama <> Mistral <> LlamaIndex Cookbook](#) (ipynb)

Data Analysis (Chat with CSV)

- LangChain: [Chat with a CSV | LangChain Agents Tutorial \(Beginners\) - YouTube](#)
- PandasAI: [Multi-ChatCSV Streamlit App:Analyze Multiple CSV files with PandasAI and OpenAI| Step by Step - YouTube](#)
- Streamlit: [Chat with CSV Streamlit Chatbot using Llama 2: All Open Source - YouTube](#)
- [DataLine](#)
 - GitHub: <https://github.com/RamiAwar/dataline>

- PandasAI

[PandasAI](#) is a Python library that makes it easy to ask questions to your data in natural language. It helps you to explore, clean, and analyze your data using generative AI.

- GitHub: <https://github.com/Sinaptik-AI/pandas-ai>
- Video: [Multi-ChatCSV Streamlit App:Analyze Multiple CSV files with PandasAI and OpenAI| Step by Step - YouTube](#)

Chat with Dataset

- [Chat with your dataset! This project demonstrates a web-based application to query a dataset through natural language.](#)

Web Scraper

- Crawllee

A web scraping and browser automation library.

- [crawllee for Python](#)
 - GitHub: <https://github.com/apify/crawllee-python>
- [crawllee for Node.js](#)
 - GitHub: <https://github.com/apify/crawllee>

- ScrapeGraphAI

[ScrapeGraphAI](#) is a open-source web scraping python library designed to usher in a new era of scraping tools.

- [Indices and tables — ScrapeGraphAI documentation](#)
- GitHub: <https://github.com/ScrapeGraphAI/Scrapegraph-ai>
- Video: [Scrape Any Website using llama3+Ollama+ScrapeGraphAI | Fully Local + Free #ai #llm - YouTube](#)

- Crew AI

[Crew AI](#) is a collaborative working system designed to enable various artificial intelligence agents to work together as a team, efficiently accomplishing complex tasks. Each agent has a specific role, resembling a team composed of researchers, writers, and planners.

- GitHub: <https://github.com/joaomdmoura/crewAI>
- [???? AI ??????????](#)
 - Video: [??????Agent??](#)
 - GitHub: [Python ???](#)
- [Crew AI — your own minions. How I Made AI Assistants Do My Work For... | by Csakash | Medium](#)

LLM API

- OpenAI API

- [What is ChatGPT API? - GeeksforGeeks](#)
- [\[D7\] OpenAI API ?? - ?????? - iT ????:???????????? IT ??? \(ithome.com.tw\)](#)
- [\[D8\] OpenAI API ?? - Chat Completion ??? - iT ????:???????????? IT ??? \(ithome.com.tw\)](#)
- [Model Parameters in OpenAI API. Let's break down the... | by Csakash | Medium](#)

- Gemini API

- Doc: [Gemini API ?????? | Google AI for Developers | Google for Developers](#)
- [Gemini API Cookbook](#)

Web UI Framework

- Gradio

Gradio is the fastest way to demo your machine learning model with a friendly web interface so that anyone can use it, anywhere!

- [Gradio](#)
- [Create a ChatBot with OpenAI and Gradio in Python - GeeksforGeeks](#)
- [????? OpenAI ChatBot ????](#)

- Streamlit

Streamlit is the UI powering the LLM movement

- [Streamlit • A faster way to build and share data apps](#)
- [AI talks: ChatGPT assistant via Streamlit](#)
- GitHub: [Some Example Codes](#)

AI Memory

- [How To Give Your Chatbot More Memory | by Dan Cleary | Medium](#)
- [\[D8\] OpenAI API ?? - Chat Completion ??? - iT ????:???????????? IT ??? \(ithome.com.tw\)](#)

AI Coding

- Alternative to GitHub Copilot

- [Best Self-hosted GitHub Copilot AI Coding Alternatives - Virtualization Howto](#)

- VS Code

- [CodeGPT](#) - Code like a pro with our AI Copilot!
 - Doc: <https://docs.codegpt.co/docs/intro>
 - VSCode: [CodeGPT: Chat & AI Agents - Visual Studio Marketplace](#)
- [Continue](#)
 - [An entirely open-source AI code assistant inside your editor \(continue.dev\)](#)
 - Doc: <https://docs.continue.dev/intro>
 - VSCode: [Continue - Codestral, GPT-4o, and more - Visual Studio Marketplace](#)
 - GitHub: <https://github.com/continuedev/continue>
- [Codeium](#) - ?? vim/Neovim ???????????? OpenAI API???????
 - VSCode: [Codeium: AI Coding Autocomplete and Chat for Python, Javascript, Typescript, Java, Go, and more - Visual Studio Marketplace](#)
 - GitHub: <https://github.com/Exafunction/codeium.vim>
 - Video: [?Arduino ?????AI ????? Codeium ????? Arduino? - YouTube](#)
- [Cline](#) - an AI assistant that can use your CLI aNd Editor
 - GitHub: <https://github.com/cline/cline>

- Cursor

- YT: [Cursor?????—???????AI?AI??? - YouTube](#)
- [Cursor Directory](#)

PDF Extractor

- [gptpdf](#) - ?? OpenAI API ?? PDF ?????? Markdown ???
- [omniparse](#) - PDF to Markdown
 - GitHub: <https://github.com/adithya-s-k/omniparse>
- [PDF-Extract-Kit](#) - Layout Detection, Formula Detection, Formula Recognition
- [Marker](#) - Marker converts PDF to markdown quickly and accurately.
 - Video: [Marker: This Open-Source Tool will make your PDFs LLM Ready - YouTube](#)
- [Mathpix](#) (cloud)

- [tabled](#) - ???????
- [MarkItDown](#) - Microsoft ?????????????? Markdown ?????????? Python API ?????

Responsible AI

- [Input Output Guardrails with Llama](#) (ipynb)
- Google SynthID Text
 - [Google??SynthID Text | iThome](#)
 - [SynthID: Tools for watermarking and detecting LLM-generated Text](#)

More

- OpenUI - AI?????????????????
 - GitHub: <https://github.com/wandb/openui>
 - Video: [OpenUI & Llama 3: Effortless Text to Frontend UI Generation - YouTube](#)
- Instructor - Structured outputs powered by LLMs. Designed for simplicity, transparency, and control.
 - [Welcome To Instructor - Instructor \(jxn1.github.io\)](#)