

Best Python Tools for Building GenAI Apps

There are many open source Python libraries and frameworks available that enable developers to build innovative Generative AI applications, from image and text generation to Autonomous AI.

API



With the OpenAI Python library, you can easily use the OpenAI API to build Python applications. This allows for effortless access to various Generative AI models with minimal setup required.

ML Model Training



Transformers

Transformers offers a vast selection of pre-trained models for carrying out various tasks across different modalities like text, vision, and audio. Through Transformers, users can train and fine-tune any generative AI models.



PEFT

Parameter-Efficient Fine-Tuning (PEFT) methods enable efficient adaptation of pre-trained language models (PLMs) to various downstream applications without fine-tuning all the model's parameters.



Diffusers

Diffusers is the go-to library for state-of-the-art pretrained diffusion models for generating images, audio, and even 3D structures of molecules.

Integrations



LangChain

LangChain is designed to assist in six key areas: prompt management, chains that extend beyond a single LLM call, data-augmented generation, agents, memory management, and evaluation.



LlamaIndex



LlamaIndex is a framework for managing data for applications that use Large Language Models. With LlamaIndex, you can easily ingest, manage, and retrieve both private and domain-specific data using natural language.

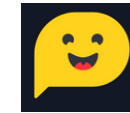
User Interface



Gradio

Create UIs for your AI models in

Python in a few minutes. You can demo machine learning models to clients, deploy models quickly with shareable links, and interactively debug models using built-in tools.



Chat UI

The chat interface uses open-source models such as Llama 2. It is a SvelteKit application that only requires you to connect your API to have your chat app up and running.

Production



OpenLLM

Run inference with any open-source large-language models, deploy to the cloud or on-premises, and build powerful AI apps.

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