

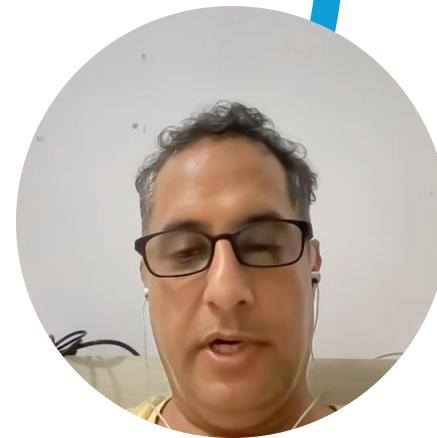


Hugging Face



Introduction to Hugging Face

- Hugging Face is a machine learning and data science platform that empowers users to **build, train, deploy and perform continuous integration and continuous deployment of machine learning models**
- Hugging Face has emerged as a prominent player in the ever-evolving landscape of machine and artificial intelligence²
- Hugging Face is the place for open-source generative models, where we can access any model and understand the code behind it
- It hosts **1000+ pre-trained models, datasets and demos.**



Hugging Face Account - Sign Up and Login

The screenshot shows the Hugging Face homepage and a detailed view of the 'Models' section.

Header:

- Hugging Face logo
- Search bar: Search models, datasets, users...
- Navigation menu: Models, Datasets, Spaces, Posts, Docs, Pricing, Log In, Sign Up (highlighted with a red box)

Left Side (Homepage):

- New feature: Create Assistants in HuggingChat
- A large yellow smiley face icon with hands clasped.
- Text: The AI community building the future.
- Text: The platform where the machine learning community collaborates on models, datasets, and applications.

Middle Section (Models Overview):

- Tasks: Multimodal, Computer Vision, Natural Language Processing, Audio, Tabular.
- Filter: Filter Tasks by name.
- Models: 469,541 (Total), Filter by name.
- List of models (partial list):
 - meta-llama/Llama-2-70b
 - stabilityai/stable-diffusion-xl-base-0.9
 - openchat/openchat
 - illyasviel/ControlNet-v1-1
 - cerpense/zeroscope_v2_XL
 - meta-llama/Llama-2-13b
 - tiiuae/falcon-40b-instruct
 - WizardLM/WizardCoder-15B-V1.0
 - CompVis/stable-diffusion-v1-4
 - stabilityai/stable-diffusion-2-1

Right Side (User Profile Placeholder):



Search models, datasets, users...

Models

Datasets

Spaces

Posts

Docs

Pricing



Log In

Sign Up



Join Hugging Face

Join the community of machine learners!

Email Address

Email Address

Hint: Use your organization email to easily find and join
your company/team org.

Password

Password

Next

Already have an account? [Log in](#)

SSO is available for [Enterprise](#) accounts.



Complete your profile

One last step to join the community

Username

Username

Full name

Full name

Avatar (optional)

Upload file

GitHub username (optional)

GitHub username

Homepage (optional)

Homepage

Twitter username (optional)

Twitter account

AI & ML interests (optional)

AI & ML interests

I have read and agree with the [Terms of Service](#) and the [Code of Conduct](#)

Create Account



Search models, datasets, users...

Models

Datasets

Spaces

Posts

Docs

Pricing



Please check your email address for a confirmation link

Resend confirmation email

Welcome

Skip to feed →

Create a new model
From the website

Hub documentation
Take a first look at the Hub features

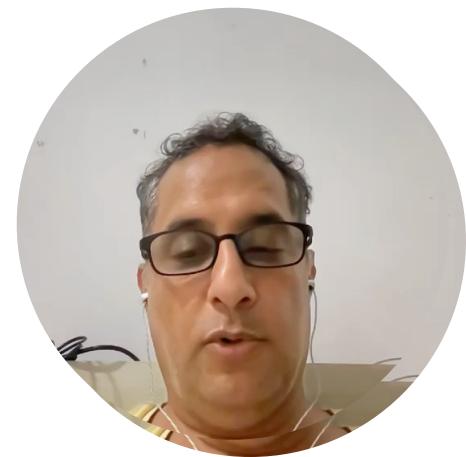
Programmatic access
Use the Hub's Python client library

Getting started with our git and git-lfs interface

You can create a repository from the CLI (skip if you created a repo from the website)

```
$ pip install huggingface_hub
# You already have it if you installed transformers or datasets

$ huggingface-cli login
# Log in using a token from huggingface.co/settings/tokens
# Create a model or dataset repo from the CLI if needed
$ huggingface-cli repo create repo_name --type {model, dataset, space}
```



Overview of UI interface and Explore the Platform

The screenshot shows the Hugging Face platform's main interface. At the top, there is a navigation bar with a search bar, a user icon, and links for Models, Datasets, Spaces, Posts, Docs, Pricing, and a profile icon. A red box highlights the 'Datasets' link, and a blue arrow points from it to a large callout box in the center.

Callout Box Text:

Click here to find pre-trained models, open-source datasets, and spaces created by developers in the community

Left Sidebar:

- + New
- mayankchugh-learning
 - Profile
 - Inbox (0)
 - Settings
 - Get Pro
- Organizations
 - Create New
- Resources
 - Hub guide
 - Transformers doc
 - Forum
 - Tasks
 - Learn
- Light theme

Middle Content Area:

Following 0

All Models Datasets Spaces Papers Collections Community Posts

Upvotes Likes

Follow your favorite AI creators

- ehartford · Research into LLM alignment
- WizardLM · LLMs that follow complex instructions
- Yuliang · Research on human pose estimation

Refresh List

Trending last 7 days

All Models Datasets Spaces

- meta-llama/Meta-Llama-3-8B · Text Generation · Updated 3 day... · ↓ 445k · ❤ 2.63k
- HuggingFaceFW/fineweb · Viewer · Updated 6 days ago · ↓ 65 · ❤ 874
- microsoft/Phi-3-mini-128k-instruct · Text Generation · Updated about ... · ↓ 75.2k · ❤ 843
- meta-llama/Meta-Llama-3-8B-Instruct · Text Generation · Updated 3 day... · ↓ 614k · ❤ 1.49k
- apple/OpenELM · Updated 3 days ago · ❤ 632
- PleIAs/YouTube-Commons · Viewer · Updated 9 days ago

Bottom Right Overlay:

A circular video overlay in the bottom right corner shows a man wearing glasses and a microphone, likely the host of the video.

Hugging Face Models

- Hugging Face models are models designed to understand and work with human language. They can read, write, translate, summarise, and do so with text.
- Imagine having a library of pre-trained brains that understand language well. That's what Hugging Face models are! They're already trained on tons of text from the internet, books, and articles, so they're really good at understanding and generating text.
- These models aren't just smart; they're top-of-the-line smart! They've been tested against all kinds of language tasks, like understanding what a sentence means, answering questions, or even writing stories. They often outperform other models, so you know you're getting the best tools.



Filter Tasks by name

Multimodal

Image-Text-to-Text

Visual Question Answering

Document Question Answering

Computer Vision

Depth Estimation

Image Classification

Object Detection

Image Segmentation

Text-to-Image

Image-to-Text

Image-to-Image

Image-to-Video

Unconditional Image Generation

Video Classification

Text-to-Video

Zero-Shot Image Classification

Mask Generation

Zero-Shot Object Detection

Text-to-3D

Image-to-3D

Image Feature Extraction

Natural Language Processing

Text Classification

Token Classification

Models 624,553

Filter by name

new Full-text search

↑ Sort: Trending

meta-llama/Meta-Llama-3-8B

Text Generation • Updated 3 days ago • ↓ 445k • 2.63k

microsoft/Phi-3-mini-128k-instruct

Text Generation • Updated about 17 hours ago • ↓ 75.2k • 843

meta-llama/Meta-Llama-3-8B-Instruct

Text Generation • Updated 3 days ago • ↓ 614k • 1.49k

apple/OpenELM

Updated 3 days ago • 632

microsoft/Phi-3-mini-4k-instruct

Text Generation • Updated about 17 hours ago • ↓ 65.2k • 357

meta-llama/Meta-Llama-3-70B-Instruct

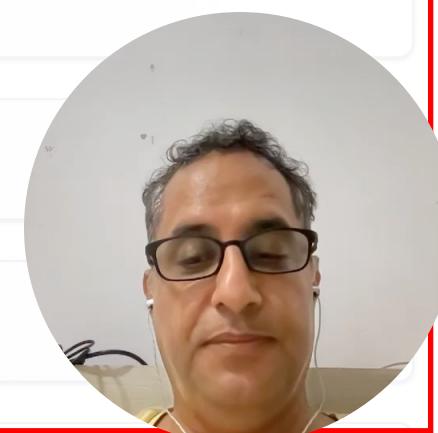
Text Generation • Updated 3 days ago • ↓ 68.6k • 766

Snowflake/snowflake-arctic-instruct

Text Generation • Updated about 13 hours ago • ↓ 1.48k • 238

shenzhi-wang/Llama3-8B-Chinese-Chat

Text Generation • Updated 3 days ago • ↓ 2.68k • 237



Hugging Face Datasets

- Hugging Face Datasets serves as a centralized repository containing a wide range of datasets crucial for training and evaluating machine learning models, particularly those focused on natural language processing (NLP). These datasets cover diverse tasks like text classification, sequence labelling, and language generation.
- Each dataset available through Hugging Face is curated and formatted to maintain consistent quality standards. This consistency ensures that researchers and practitioners can rely on the integrity of the data when training and testing machine learning models.



Filter Tasks by name

Multimodal

Visual Question Answering

Computer Vision

Depth Estimation

Image Classification

Object Detection

Image Segmentation

Text-to-Image

Image-to-Text

Image-to-Image

Image-to-Video

Unconditional Image Generation

Video Classification

Text-to-Video

Zero-Shot Image Classification

Mask Generation

Zero-Shot Object Detection

Text-to-3D

Image-to-3D

Image Feature Extraction

Natural Language Processing

Text Classification

Token Classification

Table Question Answering

Question Answering

Datasets 137,820

Filter by name

new Full-text search

↑ Sort: Trending

HuggingFaceFW/fineweb

Viewer • Updated 7 days ago • ↓ 65 • ❤ 898

PleIAs/YouTube-Commons

Viewer • Updated 10 days ago • ❤ 232

mlabonne/orpo-dpo-mix-40k

Viewer • Updated 7 days ago • ❤ 117

HuggingFaceM4/the_cauldron

Viewer • Updated 6 days ago • ❤ 176

PleIAs/Post-OCR-Correction

Updated 1 day ago • ❤ 52

LooksJuicy/ruozhiba

Viewer • Updated 19 days ago • ↓ 13 • ❤ 77

hiyouga/DPO-En-Zh-20k

Viewer • Updated 3 days ago • ❤ 51

m-a-p/COIG-CQIA

Viewer • Updated 10 days ago • ↓ 1.22k • ❤ 382

Anthropic/persuasion

Viewer • Updated 19 days ago • ↓ 44 • ❤ 149

0-hero/Matter-0.1

Viewer • Updated Mar 21 • ↓ 11 • ❤ 39

cognitivecomputations/Dolphin-2.9

Preview • Updated 9 days ago • ❤ 41

Sao10K/Claude-3-Opus-Instruct-5K

Preview • Updated 3 days ago • ❤ 36

unalignment/toxic-dpo-v0.2

Viewer • Updated Jan 10 • ↓ 423 • ❤ 69

yahma/alpaca-cleaned

Viewer • Updated Apr 11, 2023 •

gretelai/synthetic_text_to_sql

Viewer • Updated 23 days ago • ↓ 1.36k • ❤ 282

glaiveai/glaive-function

Viewer • Updated Sep 28, 2023 • ↓ 73



Hugging Face Spaces

- Hugging Face Spaces offers a simple way to host ML demo apps directly on your profile or your organization's profile. This allows you to create your ML portfolio, showcase your projects at conferences or with stakeholders, and work collaboratively with other people in the ML ecosystem.
- Within Hugging Face Spaces, users can organise their machine learning projects effectively. This may include features for task assignment, project milestones, version control, and documentation, streamlining project management processes.





Spaces

Discover amazing AI apps made by the community!

[Create new Space](#)[or Learn more about Spaces](#) Search Spaces[new Full-text search](#)[↑↓ Sort: Trending](#)

★ Spaces of the week 🔥

Running on **ZERO** ❤️ 375

Parler-TTS Mini

High-fidelity Text-To-Speech

parler-tts 2 days ago

Running ❤️ 178

— AI Jukebox —

Generate music powered by AI

enzostv 6 days ago

Running on **ZERO** ❤️ 269

Chat With Llama3 8b

Latest text-generation model by META - Meta Llam...

ysharma 2 days ago

Running on **A10G** ❤️ 128

Sing an idea ➡️ Music

Bring song ideas to life

nateraw 5 days ago

Running on **ZERO** ❤️ 116

Idefics 8b

HuggingFaceM4 5 days ago

Running on **ZERO** ❤️ 198

CosXL

multimodalart 12 days ago

Running ❤️ 60

CodeQwen1.5 7B Chat Demo

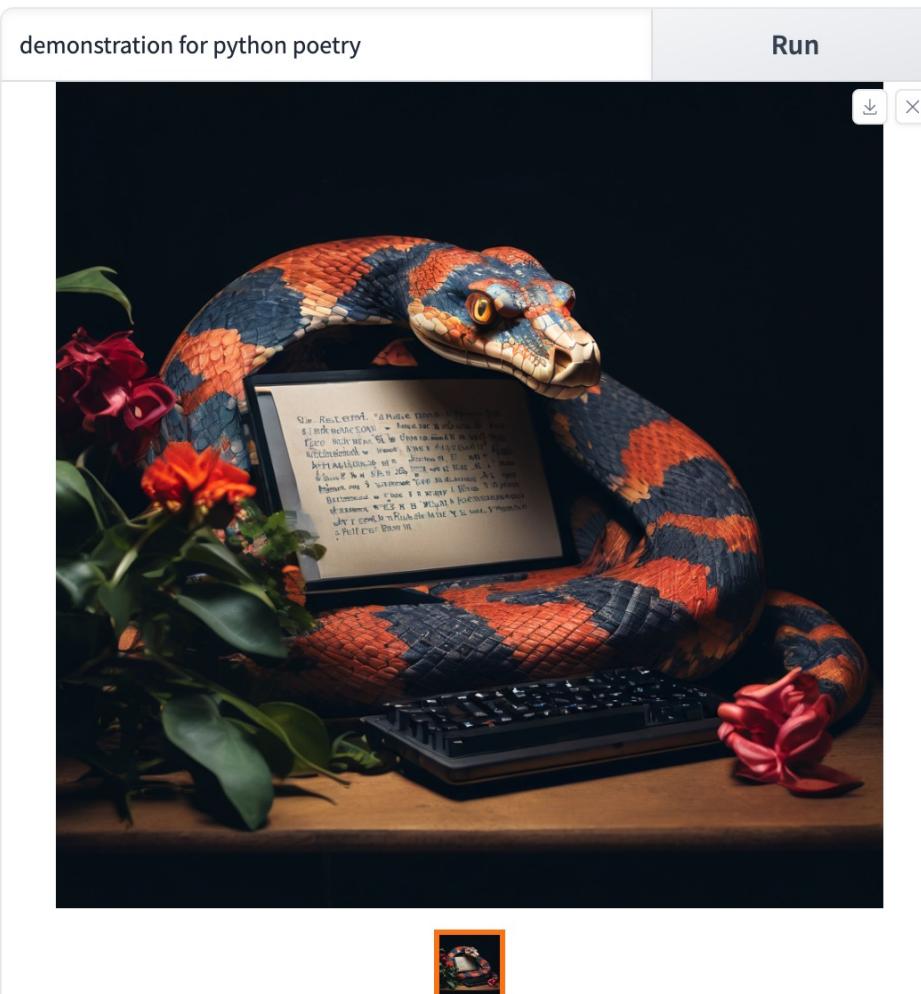
Qwen 11 days ago

Running on **ZERO**



declare-lab 3 days ago

Playground v2.5



Advanced options

Examples

neon holography crystal cat

a cat eating a piece of cheese

Search for
Playground v2.5 on
spaces and checkout, how
the model generating images
from provided text



**Mayank Chugh**

mayankchugh-learning

Profile

Account

Authentication

Organizations

Billing

Access Tokens

SSH and GPG Keys

Webhooks

Papers

Notifications

Content Preferences

Connected Apps

Theme

How to create and access tokens

Access Tokens

User Access Tokens

Access tokens programmatically authenticate your identity to the Hugging Face Hub, allowing applications to perform specific actions specified by the scope of permissions granted. Visit [the documentation](#) to discover how to use them.

Make sure to never post your tokens publicly!

testtoken READ

Manage

.....

Show

Note: It has been recommended that these secrets are confidential; hence, do not share the keys with anyone



yank Chugh

ankchugh-learning

Access Token

User Access Token

Access tokens are used by your application to make requests to the API. They allow applications to access data that has been granted. Visit the [User Access Token documentation](#) for more information.

 Make sure to keep your token secure!

testtoken
...

...

New token

Create a new access token

X

Name

my-token

Type

Read



Generate a token



**Mayank Chugh**

mayankchugh-learning

Profile

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Billing

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SSH and GPG Keys

Webhooks

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Access Tokens

User Access Tokens

Access tokens programmatically authenticate your identity to the Hugging Face Hub, allowing applications to perform specific actions specified by the scope of permissions granted. Visit [the documentation](#) to discover how to use them.

Make sure to never post your tokens publicly!

testtoken READ

Manage

.....

Show

my-token READ

Manage

.....

Show

New token



How to create spaces and add secrets



Search models, datasets, users...

Models

Datasets

Spaces

Posts

Docs

Pricing



Spaces

Discover amazing AI apps made by the community!

Create new Space

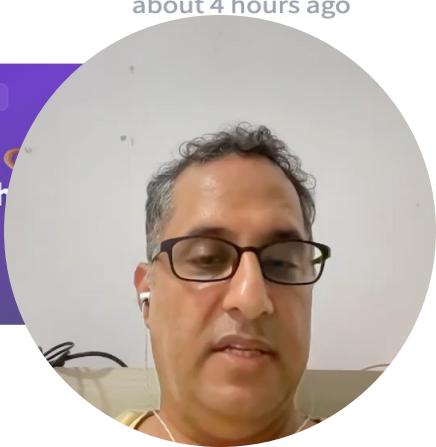
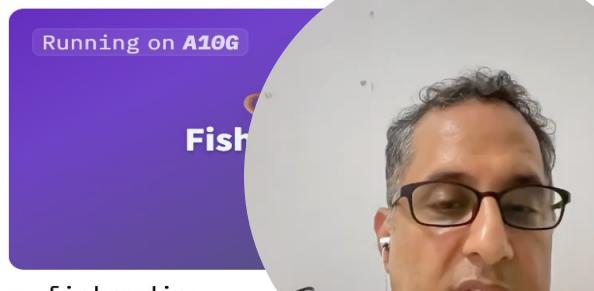
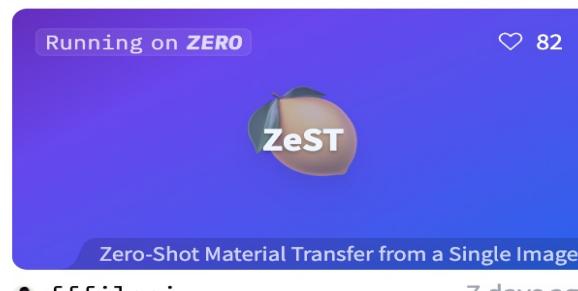
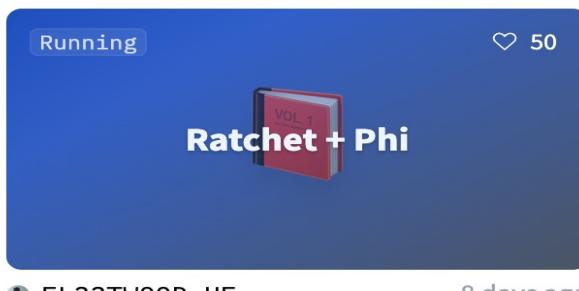
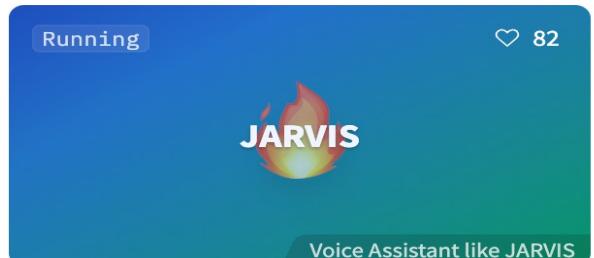
or [Learn more about Spaces](#)

Search Spaces

Full-text search

Sort: Trending

Spaces of the week 🔥





Create a new Space

Spaces are Git repositories that host application code for Machine Learning demos.
You can build Spaces with Python libraries like Streamlit or Gradio, or using Docker images.

Owner / Space name

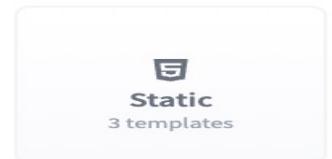
License

Select the Space SDK
You can choose between Streamlit, Gradio and Static for your Space. Or pick Docker to host any other app.

 Streamlit

 Gradio NEW
3 templates

 Docker
13 templates

 Static
3 templates

Choose a Gradio template:

Space hardware Free

CPU basic · 2 vCPU · 16 GB · FREE

You can switch to a different hardware at any time in your Space settings.
You will be billed for every minute of uptime on a paid hardware.

 **Public**
Anyone on the internet can see this Space. Only you (personal Space) or members of your organization (organization Space) can commit.

 **Private**
Only you (personal Space) or members of your organization (organization Space) can see and commit to this Space.



🚀 Get started with your gradio Space!

Your new space has been created, follow these steps to get started (or read the full [documentation](#))

Start by cloning this repo by using:

HTTPS SSH

ⓘ Use an [access token](#) as git password/credential

```
# When prompted for a password, use an access token with write permissions.  
# Generate one from your settings: https://huggingface.co/settings/tokens  
git clone https://huggingface.co/spaces/mayankchugh-learning/projectName
```

Create your Gradio app.py file:

```
import gradio as gr  
  
def greet(name):  
    return "Hello " + name + "!"  
  
demo = gr.Interface(fn=greet, inputs="text", outputs="text")  
demo.launch()
```

Then commit and push:

```
$ git add app.py  
$ git commit -m "Add application file"  
$ git push
```



👁 Change Space visibility

Make private

This Space is currently **public**. Anyone on the internet can see this Space. Only you (personal Space) or members of your organization (organization Space) can commit.

🔑 Variables and secrets ⓘ

Variables Public

No variables

New variable

New secret

Secrets Private

No secrets

⇄ Rename or transfer this space ⓘ

All links to this space will automatically redirect to the new location, including git operations. However, to avoid confusion, we recommend updating any existing local clones to point to the new repository URL. To do so, you can use the following command:

```
git remote set-url origin {NEW_URL}
```

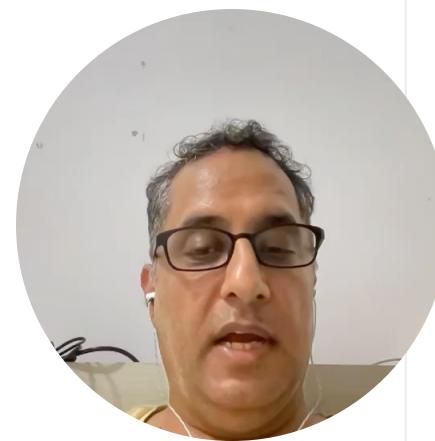
New owner

mayankchugh-learning

New name

New space name

I understand, move this space



Space visibility

Name: HF_TOKEN

This space is currently public. Any user on the internet can see this Space. Only you (owner) can change this.

Copy and paste
the token
created on slide
18 & then save.

Public

Private

Change or transfer this space

Links to this space will automatically

recommend updating any existing local clones to point to the new repository URL. To do so, you can use the following command:

```
git remote set-url origin {NEW_URL}
```

New secret

X

Name

New variable

Description (optional)

Value (private)

Save

Cancel





THE END

