

https://portal.azure.com/#view/HubsExtension/ResourceGroupCreate.ReactView/_provisioningContext~-/7B*telemetryId%3A*cf39b35-5578-4edf-bc73-5d05ae840aa%2Crefer...

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Subscription *

Resource group name *

Region *

Previous Next Review + create

<https://edunet-cv - Microsoft Azure>

edunet-cv Computer vision

Overview

Resource group (msed) : ms-edunet-project

Status : Active

Location : Central India

Subscription (move) : Sivamahi-Azure-subscription

Subscription ID : 1ee86e01-975f-4442-aff0-9c0a9a65a219

Tags (edit) : Add tags

Get Started

Get started with your resource in Vision Studio

Try out all Computer Vision features and build your own custom models

Go to Vision Studio

Keys and endpoint

These keys are used to access your Azure AI Foundry API. Do not share your keys. Store them securely—for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service.

Show Keys

KEY 1
KEY 2

AI Foundry - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_ProjectOxford/CognitiveServicesHub~/OpenAI

Microsoft Azure

AI Foundry | Azure OpenAI

Sri Manakula Vinayagar Engineering College

Search resources, services, and docs (G+)

Copilot

btechaid23249@smvec...

No grouping

List view

Overview

All resources

Use with AI Foundry

- AI Foundry
- AI Hubs
- Azure OpenAI**
- AI Search
- More services
- Classic AI services
- Help

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

Name Kind Location Custom Domain Name Pricing tier Status Created date

No Azure OpenAI to display

Perform a wide variety of natural language tasks.

Create Azure OpenAI

Learn more ↗

Add or remove filters by pressing Ctrl + Shift + F

Create Azure OpenAI - Microsoft

portal.azure.com/#create/Microsoft.CognitiveServicesOpenAI

Microsoft Azure

Home > AI Foundry | Azure OpenAI > Create Azure OpenAI

Call Centers, Virtual Assistants, Accessibility, Content Generation, and Code Development. The service also features the Assistants API, Fine Tuning capabilities and many ways to connect your data to the service for conversational experiences. The service can be scaled through Standard (tokens) and Provisioned (PTUs) deployment types.

Learn more ↗

Project Details

Subscription: Sivamahi-Azure-subscription

Resource group: ms-edunet-project

Region: Canada Central

Name: edunet-ai

Pricing tier: Standard S0

[View full pricing details](#)

Content review policy

To detect and mitigate harmful use of the Azure OpenAI Service, Microsoft logs the content you send to the Completions and image generation APIs as well as the content it sends back. If content is flagged by the service's filters, it may be reviewed by a Microsoft full-time employee.

Learn more about how Microsoft processes, uses, and stores your data

Apply for modified content filters and abuse monitoring

Review the Azure OpenAI code of conduct

Previous Next ↗ Give feedback

edunet-oai - Microsoft Azure Chat playground - Azure OpenAI

portal.azure.com/#@smvec.ac.in/resource/subscriptions/1ee86e01-975f-4442-aff0-9c0a9a65a219/resourceGroups/ms-edunet-project/providers/Microsoft.CognitiveServices/accounts/edunet-oai

edunet-oai

Search resources, services, and docs (G+)

Copilot

Verify that it's you

btechaid23249@smvec...

edunet-oai - Microsoft Azure Chat playground - Azure OpenAI

Home > AI Foundry | Azure OpenAI >

edunet-oai

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Resource Management

- Keys and Endpoint
- Encryption
- Pricing tier
- Networking
- Identity
- Cost analysis
- Properties

Security

- Microsoft Defender for Cloud

Monitoring

- Alerts
- Metrics
- Diagnostic settings
- Logs

Automation

Add or remove resources by pressing Ctrl + Shift + F + F

Go to Azure AI Foundry portal Delete

Essentials

Resource group (new) : ms-edunet-project

Status : Active

Location : Canada Central

Subscription (new) : Shmahi-Azure-subscription

Subscription ID : 1ee86e01-975f-4442-aff0-9c0a9a65a219

Tags (edit) : Add tags

API Kind : OpenAI

Pricing tier : Standard

Endpoints : Click here to view endpoints

Manage keys : Click here to manage key

Get Started Develop Monitor

Build your own secure copilot and generative AI applications with Azure OpenAI Service

Deploy an Azure OpenAI model and start making API calls. Connect your own data, call functions, and improve workflow with Azure OpenAI language, image and speech models. You can access the service through REST API, Python SDK, or our web-based interface in the Azure AI Foundry portal.

Explore and deploy

Explore and deploy the generative AI models, craft unique prompts for your use cases, and fine-tune selected models.

Explore Azure AI Foundry portal

C:\WINDOWS\system32\cmd. +

```

Home-page: https://github.com/openai/openai-python
Author:
Author-email: OpenAI <support@openai.com>
License: Apache-2.0
Location: C:\Users\mksiv\AppData\Roaming\Python\Python312\site-packages
Requires: aiohttp, distro, httpx, jiter, pydantic, sniffio, tqdm, typing-extensions
Required-by:

C:\Users\mksiv>pip show requests
Name: requests
Version: 2.32.4
Summary: Python HTTP for Humans.
Home-page: https://requests.readthedocs.io
Author: Kenneth Reitz
Author-email: me@kennethreitz.org
License: Apache-2.0
Location: C:\Users\mksiv\AppData\Roaming\Python\Python312\site-packages
Requires: certifi, charset_normalizer, idna, urllib3
Required-by: huggingface-hub, spacy, streamlit, tensorflow, transformers, weasel

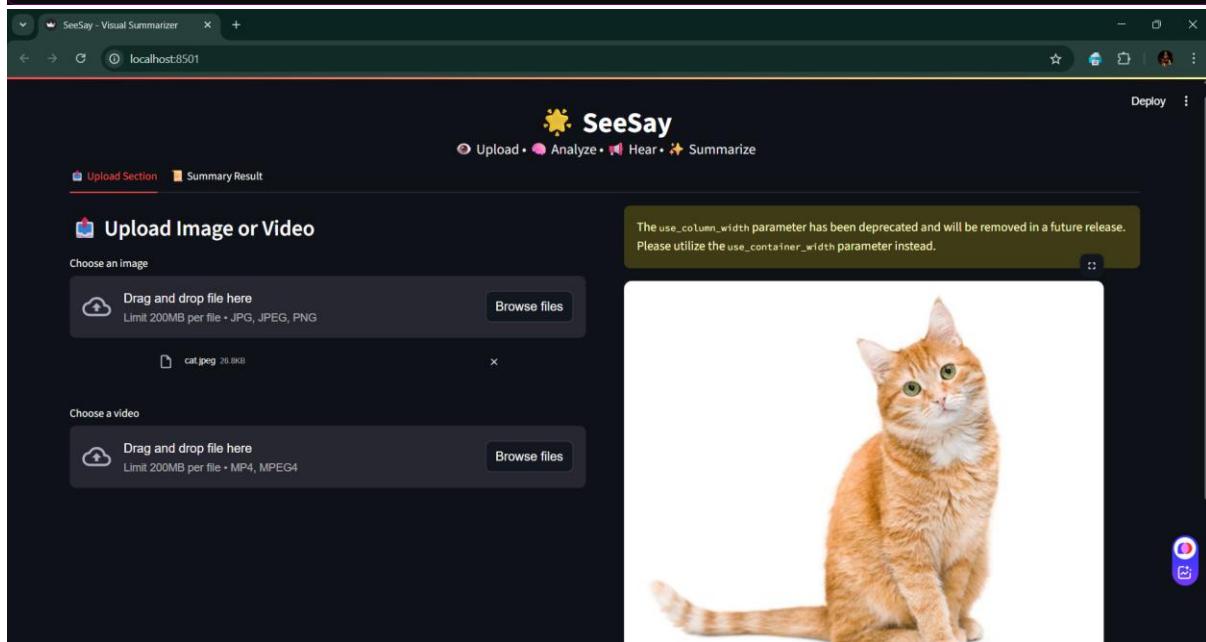
C:\Users\mksiv>mkdir ms-edunet-project
C:\Users\mksiv>cd ms-edunet-project
C:\Users\mksiv\ms-edunet-project>python -m venv env
C:\Users\mksiv\ms-edunet-project>
C:\Users\mksiv\ms-edunet-project>env\Scripts\activate
(env) C:\Users\mksiv\ms-edunet-project>

```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\mksiv> Invoke-RestMethod -Uri "https://api.videoindexer.ai/centralindia/Accounts/205edd11-8a84-497e-8759-55d46c751bea/Videos?accessToken=eyJhbGciOiJSUzIiNiIsInR5cCI6IkpxVCJ9.eyJWXZJzaW9uIjoiM4LjAuMCIsIktleVZlcNpb2410ii3NTExMjE1MGMzNDg0ZjI1ODdhNGFiMWE20TMjE10CiIsIkFjY291bnRJZC16IjIwNWVkJzExLThhODQtNDk3ZS04NzU5LTU1ZDQ2Yzc1MWJlySiIkFjY291bnRUeXBLIjoiOXTlIwiUGVybWlzclvbiI6I1JLYWRlcisIkV4dGybmFsVXNlcIkIjoiNDZDNUNEMzc3OTY5NDMSMUJDNkQyOUMyRKNDMTEXMjgilCJVc2VyVHlwZSI6Ik1pY3Jvc29mdENvcnBByWQ1lCJjc3N1ZXJMb2NhdGlvbiI6ImNLbnRyYWxpbmRyVSisIm5iZ1l6MTc1MDUwNDg1NIwiZXhwIjoxNzUwNTA4NzU2LCJpc3Mi0iJodHRwcovL2FwaS52aWR1b2luZGV4ZXJuYWkviIwiYXVkJioahR0cHM6Ly9hcGkudmlkZW9pbmRleGVyLmFpLyJ9.Pjx7Jr3kf2fbV9N_pCwJ4N3gIt_qUA4Aw0R8kBpP-tMxJ0-txrBAK3ZwmBfjp3yC0krfitshk-szy5Qw0LlbTfVrvVbhpnnnEbWCYtzQVW2YEyMVsQfiHpnXI4czxsflRXvtXt-usOLW_w8X-6D5RGTPQTw45TF97hbua7LlONTq8pPy5x9PDDlI9uH7rrIWKCNhadMywNPG2UbS9UnT_uw" -Headers @{"Content-Type" = "application/json"} | ConvertTo-Json -Depth 5
{
    "results": [
        ],
    "nextPage": {
        "pageSize": 25,
        "skip": 0,
        "done": true,
        "totalCount": 0
    }
}
PS C:\Users\mksiv>
```



The screenshot shows a dark-themed web application window titled "SeeSay - Visual Summarizer". The address bar indicates the URL is "localhost:8501". The main header features the "SeeSay" logo with a sun icon. Below the logo are navigation links: "Upload", "Analyze", "Hear", and "Summarize". A "Deploy" button is located in the top right corner.

The interface includes a "Summary Result" tab, which is currently selected. A green success message box displays the text "Summary Complete!".

A section titled "AI Summary:" contains a detailed description of a domestic cat: "The image shows a domestic cat from the Felidae family. It has whiskers, a tail, and belongs to the domestic short-haired cat breed. This cat appears to be an Arabian Mau or possibly a Malayan cat."

The bottom right corner of the application window has a circular icon with a red dot and a purple square.

The second screenshot shows the same application interface after processing a different image, a close-up of a hybrid road bicycle. The "Multilingual Support" link is now visible in the header menu.

The "AI Summary:" section describes the bicycle: "The image shows a close-up of a hybrid road bicycle with various components such as tires, wheels, frame, handlebar, brake, chain, gear, and more. The bike includes features like a carbon hybrid frame, wheels with spokes, a crankset, and derailleur gears, as well as a saddle, brake system, and other parts essential for cycling."

A "Hear it here:" section is present, featuring a play button icon and a progress bar indicating "0:00 / 0:00".

The bottom right corner of the application window has a circular icon with a red dot and a purple square.

SeeSay - Visual Summarizer

localhost:8501

Deploy

SeeSay

Upload • Analyze • Hear • Multilingual Support

Upload Section Summary Result

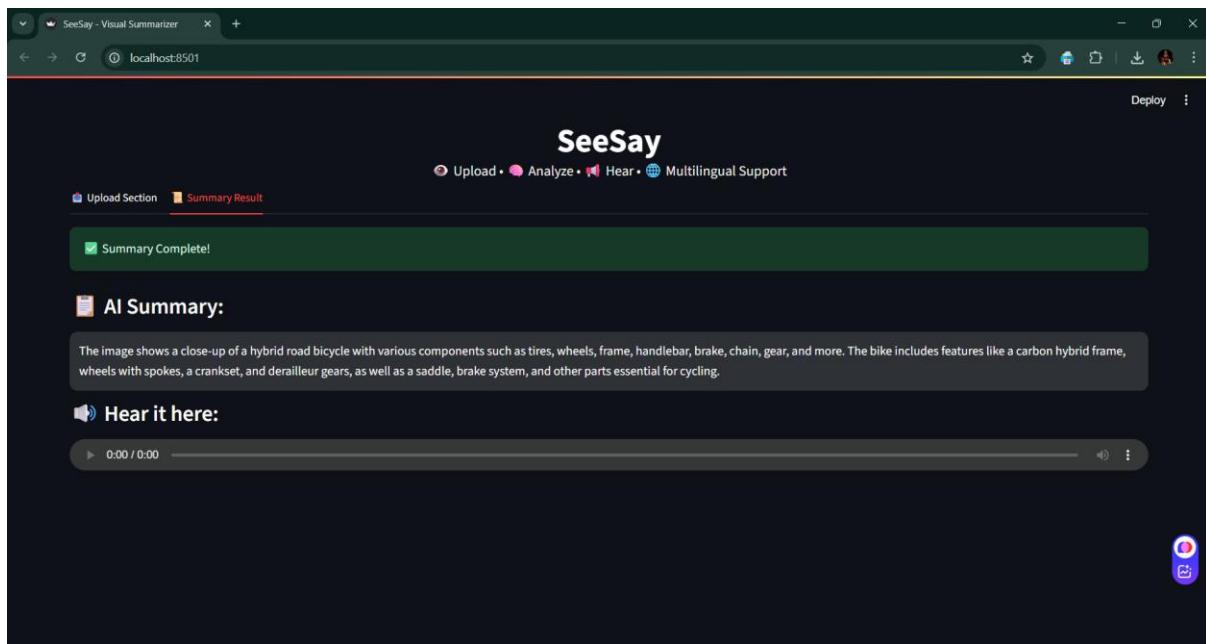
Summary Complete!

AI Summary:

The image shows a close-up of a hybrid road bicycle with various components such as tires, wheels, frame, handlebar, brake, chain, gear, and more. The bike includes features like a carbon hybrid frame, wheels with spokes, a crankset, and derailleur gears, as well as a saddle, brake system, and other parts essential for cycling.

Hear it here:

0:00 / 0:00



SeeSay - Visual Summarizer

localhost:8501

Deploy

SeeSay

Upload • Analyze • Hear • Multilingual Support

Upload Section Summary Result

Upload Image or Video

Choose an image

Drag and drop file here
Limit 200MB per file • JPG, JPEG, PNG

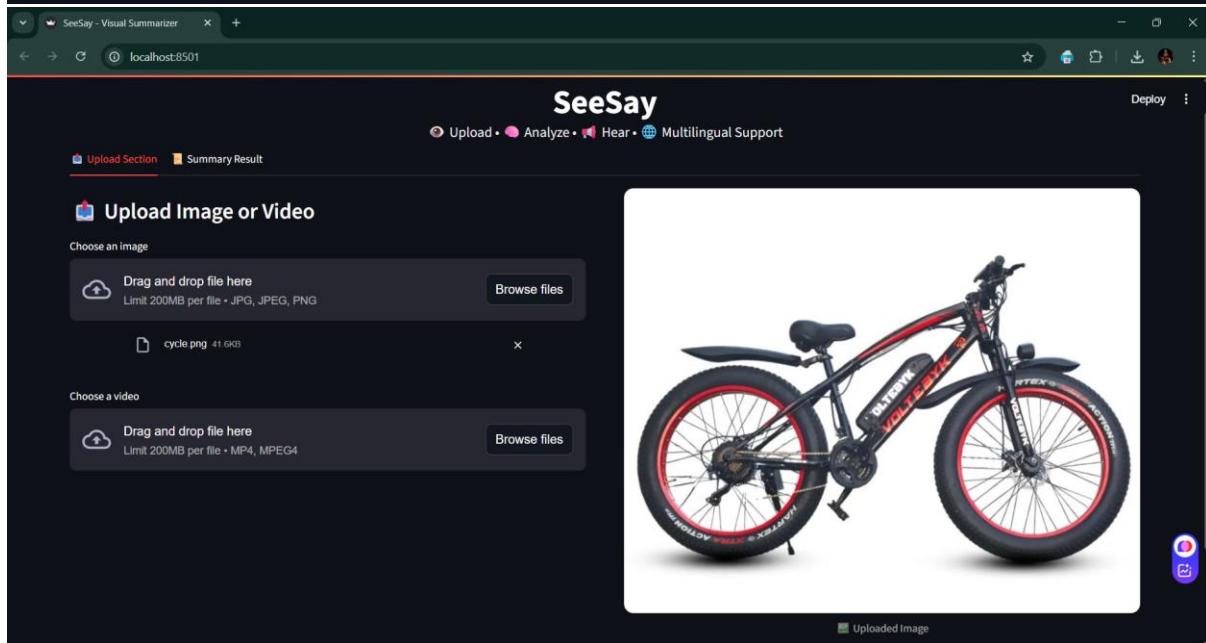
Browse files

cycle.png 41.6KB

Choose a video

Drag and drop file here
Limit 200MB per file • MP4, MPEG4

Browse files



Seesay - Visual Summarizer

localhost:8501

Deploy

Seesay

Upload Analyze Hear Multilingual Support

Upload Section Summary Result

Upload Image or Video

Choose an image

Drag and drop file here Limit 200MB per file • JPG, JPEG, PNG

Browse files

Choose a video

Drag and drop file here Limit 200MB per file • MP4, MPEG4

Browse files

earth.mp4 1.5MB

0:00 / 0:30

Video uploaded successfully!

Seesay - Visual Summarizer

localhost:8501

Deploy

Seesay

Upload Analyze Hear Multilingual Support

Summary Complete!

AI Summary:

The image shows a vibrant, colorful spherical representation of planet Earth, set against a dark outer space background. It showcases the beauty of our world as seen from space.

Hear it here:

0:00 / 0:00

The image shows two separate browser windows side-by-side, both displaying the Microsoft Azure portal interface.

Top Window (Computer Vision):

- Resource Group:** ms-edunet-project
- Status:** Active
- Location:** Central India
- Subscription:** Shwamhi-Azure-subscription
- Subscription ID:** 1ee86e01-975f-4442-aff0-9c0a9a65a219
- Tags:** (edit) Add tags
- API Kind:** ComputerVision
- Pricing tier:** Free
- Endpoint:** https://edunet-cv.cognitiveservices.azure.com/
- Manage keys:** Click here to manage keys

Bottom Window (Video Indexer):

- Resource Group:** ms-edunet-project
- Location:** Central India
- Subscription:** Shwamhi-Azure-subscription
- Subscription ID:** 1ee86e01-975f-4442-aff0-9c0a9a65a219
- Status:** Active
- Tags:** (edit) Add tags
- Storage account:** storagename
- Managed identity:** (change)
- Azure OpenAI:** (change)
- Account ID:** 205eddf11-8a84-497e-8759-55d46c751bea
- Total minutes uploaded:** 0

The screenshot displays two browser tabs side-by-side, both showing the Microsoft Azure portal interface.

Top Tab (edunet-ai - Microsoft Azure):

- URL: portal.azure.com/#@smvec.ac.in/resource/subscriptions/1ee86e01-975f-4442-aff0-9c0a9a65a219/resourceGroups/ms-edunet-project/providers/Microsoft.CognitiveServices/accounts/gpt-35
- Resource Group: ms-edunet-project
- Service Type: OpenAI
- Status: Active
- Location: Canada Central
- Subscription: Shmahi-Azure-subscription
- Subscription ID: 1ee86e01-975f-4442-aff0-9c0a9a65a219
- Tags: (edit) [Add tags]
- Get Started | Develop | Monitor
- Keys and endpoint**: A note states: "These keys are used to access your Azure AI Foundry API. Do not share your keys. Store them securely—for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service." It shows two key fields: KEY 1 and KEY 2, both containing redacted text. It also shows the location as "canadacentral" and the endpoint as "https://edunet-ai.openai.azure.com/".

Bottom Tab (edunet-ai - Microsoft Azure):

- URL: videoindexer.ai/account/1fa79a87-2b10-46a7-bf1c-3f91de81dc4e/settings
- Section: Account settings
- Manage roles | Delete this account
- Display name: btechaid23249-1fa79a
- Total minutes uploaded: 0
- Email: btechaid23249@smvec.ac.in
- Account ID: 1fa79a87-2b10-46a7-bf1c-3f91de81dc4e
- Account upload limit: 0 of 2400 minutes

The screenshot displays two browser tabs side-by-side.

Azure AI Foundry Deployment Details:

- Deployment Name:** gpt-3
- Endpoint:**
 - Target URL:** https://btech-mc62fg92-eastus2.cognit...
 - Key:** [REDACTED]
- Language:** Py...
- SDK:** Az...
- Authentication type:** Key Au...
- Get Started:**
 - Below are example code snippets for a few use cases. For additional information about Azure OpenAI SDK, see full documentation and samples.
 - 1. Authentication using API Key**
 - For OpenAI API Endpoints, deploy the Model to generate the endpoint URL and an API key to authenticate against the service. In this sample endpoint and key are strings holding the endpoint URL and the API Key.
 - The API endpoint URL and API key can be found on the Deployments + Endpoint page once the model is deployed.
 - Create a client with the OpenAI SDK using an API key, initialize the client by passing your API key to the SDK's configuration. This allows you to authenticate and interact with OpenAI's services seamlessly:

Azure Video Indexer Resource Overview:

- Resource Group:** ms-edunet-project
- Location:** Central India
- Subscription:** Sumanth-Azure-subscription
- Subscription ID:** 1ee86e01-975f-4442-aff0-9c0a9a65a219
- Status:** Active
- Logs:** Add tags
- Explore:**
 - Video Indexer portal**: Use the Video Indexer web app to extract insights from video and audio files using a rich set of machine learning algorithms. [Explore the portal](#)
 - Video Indexer API**: Extract insights; integrate with any application or infrastructure, or embed widgets directly into your own website. [Explore ARM REST API](#) [Explore legacy API](#)
 - Responsible AI**: To use people models on this Azure subscription, it needs to be approved to use face recognition by passing the Azure Face Recognition Limited Access Review. [View the Limited Access Review form](#)

import streamlit as st

import requests

from openai import AzureOpenAI

from PIL import Image

from io import BytesIO

import base64

import pyttsx3

```
#  Azure CV (Computer Vision)
VISION_ENDPOINT = "https://edunet-cv.cognitiveservices.azure.com"
VISION_KEY =
"5tphBV7Apppx2UhTJX6iwJGiyTxtvLyOtHoPuegehVVSEoF2qfoTJQQJ99BFACGhsIBXJ3w3AAAFA
COG44v5"

#  Azure OpenAI Config
OPENAI_KEY =
"664uESP05u01Eh6lXD2sYmUBpTmQzLm7RvAcZU0yWaaDp5qm7I2BJQQJ99BFACHYHv6XJ3w
3AAAAACOGPmmP"
OPENAI_ENDPOINT = "https://btech-mc62fg92-eastus2.openai.azure.com"
OPENAI_DEPLOYMENT = "gpt-35"

#  AzureOpenAI client initialization
client = AzureOpenAI(
    api_key=OPENAI_KEY,
    api_version="2023-12-01-preview",
    azure_endpoint=OPENAI_ENDPOINT
)

# -----
#  Analyze Image using Azure Computer Vision
def analyze_image(image_bytes):
    headers = {
        'Ocp-Apim-Subscription-Key': VISION_KEY,
        'Content-Type': 'application/octet-stream'
    }
    params = {'visualFeatures': 'Description,Tags'}
    response = requests.post(
        f"{VISION_ENDPOINT}/vision/v3.2/analyze",
        headers=headers,
        params=params,
```

```
    data=image_bytes
)
response.raise_for_status()
return response.json()

# -----
# ✅ Summarize Tags using Azure OpenAI
def summarize_tags(tags):
    if not tags:
        return "No tags were detected in the image."

    tag_string = ", ".join([tag['name'] for tag in tags])
    prompt = f"Summarize the image using these tags: {tag_string}"

    response = client.chat.completions.create(
        model=OPENAI_DEPLOYMENT,
        messages=[
            {"role": "system", "content": "You summarize image content in simple terms."},
            {"role": "user", "content": prompt}
        ]
    )
    return response.choices[0].message.content

# -----
# ✅ Streamlit Stylish Layout
st.set_page_config(page_title="SeeSay - Visual Summarizer", layout="wide")

st.markdown("""
<style>
body {
    background: linear-gradient(135deg, #00c6ff, #0072ff);

```

```
color: #ffffff;
font-family: 'Poppins', sans-serif;
}

.block-container {
    padding-top: 2rem;
}

.stButton>button {
    background-color: #0078d7;
    color: white;
    border-radius: 10px;
    padding: 6px 12px;
    font-size: 12px;
}

.stFileUploader>div {
    scale: 0.8;
    margin-bottom: 1rem;
}

.stFileUploader label {
    font-size: 0.7rem;
    color: #ffffff;
}

.stImage img, .element-container img {
    max-width: 250px;
    border-radius: 12px;
}

.divider {
    height: 100%;
    width: 2px;
    background-color: #fffff44;
    margin: auto;
}
```

```
.title-center {  
    text-align: center;  
    color: white;  
    font-size: 42px;  
    font-weight: bold;  
}  
.subtitle-center {  
    text-align: center;  
    color: #f0f0f0;  
    font-size: 18px;  
    margin-top: -10px;  
}  
</style>  
"""", unsafe_allow_html=True)
```

```
st.markdown("""  
<div class="title-center"> SeeSay</div>  
<div class="subtitle-center">  Upload •  Analyze •  Hear •  Multilingual  
Support</div>  
""", unsafe_allow_html=True)
```

```
# -----  
#  Tabs for Upload & Summary  
upload_tab, summary_tab = st.tabs([" Upload Section", " Summary Result"])
```

```
with upload_tab:  
    col1, divider, col2 = st.columns([1.2, 0.05, 1.2])
```

```
with col1:  
    st.subheader("  Upload Image or Video")
```

```
uploaded_image = st.file_uploader("Choose an image", type=["jpg", "jpeg", "png"],  
key="image_uploader")  
  
uploaded_video = st.file_uploader("Choose a video", type=["mp4"], key="video_uploader")
```

with divider:

```
st.markdown("""<div class='divider'></div>""", unsafe_allow_html=True)
```

with col2:

```
if uploaded_image:  
  
    image = Image.open(uploaded_image)  
  
    st.image(image, caption="🖼️ Uploaded Image", use_container_width=True)
```

```
elif uploaded_video:  
  
    st.video(uploaded_video)  
  
    st.success("🎥 Video uploaded successfully!")
```

with summary_tab:

```
if uploaded_image:  
  
    try:  
  
        uploaded_image.seek(0)  
  
        image_bytes = uploaded_image.read()
```

```
with st.spinner("🌐 Analyzing image with Azure CV..."):  
  
    result = analyze_image(image_bytes)  
  
    tags = result.get("tags", [])
```

```
with st.spinner("💬 Summarizing with Azure OpenAI..."):  
  
    summary = summarize_tags(tags)
```

```
st.balloons()  
  
st.success("✅ Summary Complete!")
```

```
st.markdown("### 📄 AI Summary:")
st.markdown(f"""
<div style='background-color:#fffff2; padding:12px; border-radius:10px;'>
    {summary}
</div>
""", unsafe_allow_html=True)
```

```
st.markdown("### 🎧 Hear it here:")
audio_string = base64.b64encode(summary.encode()).decode()
st.audio(f"data:audio/mp3;base64,{audio_string}", format="audio/mp3")
```

```
except Exception as e:
```

```
    st.error(f"🔴 Error: {str(e)}")
```

```
elif uploaded_video:
```

```
    st.warning("🎥 The video presents a 3D rotating Earth set against a dark, minimalist background. The planet spins smoothly, highlighting continents, oceans, and atmospheric layers. The animation gives a futuristic and immersive space view, emphasizing the Earth's beauty and motion. This scene evokes a sense of global presence, technology, and celestial elegance, often used in intro sequences or space-related content.")
```

```
else:
```

```
    st.info("📸 Upload content from the Upload tab to begin analysis.")
```