```python
import streamlit as st
from txtai.pipeline import Summary, Textractor
from PyPDF2 import PdfReader

st.set_page_config(layout="wide")

@st.cache_resource
def text_summary(text, maxlength=None):
    #create summary instance
    summary = Summary()
    text = (text)
    result = summary(text)
    return result

def extract_text_from_pdf(file_path):
    # Open the PDF file using PyPDF2
    with open(file_path, "rb") as f:
        reader = PdfReader(f)
        page = reader.pages[0]
        text = page.extract_text()
    return text

choice = st.sidebar.selectbox("Select your choice", ["Summarize Text", "Summarize Document"])

if choice == "Summarize Text":
    st.subheader("Summarize Text using txtai")
    input_text = st.text_area("Enter your text here")
    if input_text is not None:
        if st.button("Summarize Text"):
            col1, col2 = st.columns([1,1])
            with col1:
                st.markdown("**Your Input Text**")
                st.info(input_text)
            with col2:
                st.markdown("**Summary Result**")
                result = text_summary(input_text)
                st.success(result)

elif choice == "Summarize Document":
    st.subheader("Summarize Document using txtai")
    input_file = st.file_uploader("Upload your document here", type=['pdf'])
    if input_file is not None:
        if st.button("Summarize Document"):
            with open("doc_file.pdf", "wb") as f:
                f.write(input_file.getbuffer())
            col1, col2 = st.columns([1,1])
            with col1:
                st.info("File uploaded successfully")
                extracted_text = extract_text_from_pdf("doc_file.pdf")
                st.markdown("**Extracted Text is Below:**")
                st.info(extracted_text)
            with col2:
                st.markdown("**Summary Result**")
                text = extract_text_from_pdf("doc_file.pdf")
                doc_summary = text_summary(text)
                st.success(doc_summary)
```

Summarize Text using txtai

Enter your text here

Generative artificial intelligence (AI) describes algorithms (such as ChatGPT) that can be used to create new content, including audio, code, images, text, simulations, and videos. Recent new breakthroughs in the field have the potential to drastically change the way we approach content creation. Ready to take your creativity to the next level? Look no further than generative AI! This

Summarize Text

Your Input Text

Generative artificial intelligence (AI) describes algorithms (such as ChatGPT) that can be used to create new content, including audio, code, images, text, simulations, and videos. Recent new breakthroughs in the field have the potential to drastically change the way we approach content creation. Ready to take your creativity to the next level? Look no further than generative AI! This nifty form of machine learning allows computers to generate all sorts of new and exciting content, from music and art to entire virtual worlds. And it's not just for fun—generative AI has plenty of practical uses too, like creating new product designs and optimizing business processes. So why wait? Unleash the power of generative AI and see what amazing creations you can come up with! Artificial intelligence is pretty much just what it sounds like—the practice of getting machines to mimic human intelligence to perform tasks. You've probably interacted with AI even if you don't realize it—voice assistants like Siri and Alexa are founded on AI technology, as are customer service chatbots that pop up to help you navigate websites. Machine learning is a type of artificial intelligence. Through machine learning, practitioners develop artificial

Summary Result

Generative artificial intelligence (AI) describes algorithms (such as ChatGPT) that can be used to create new content, including audio, code, images, text, simulations, and videos. Recent new breakthroughs in the field have the potential to drastically change the way we approach content creation.