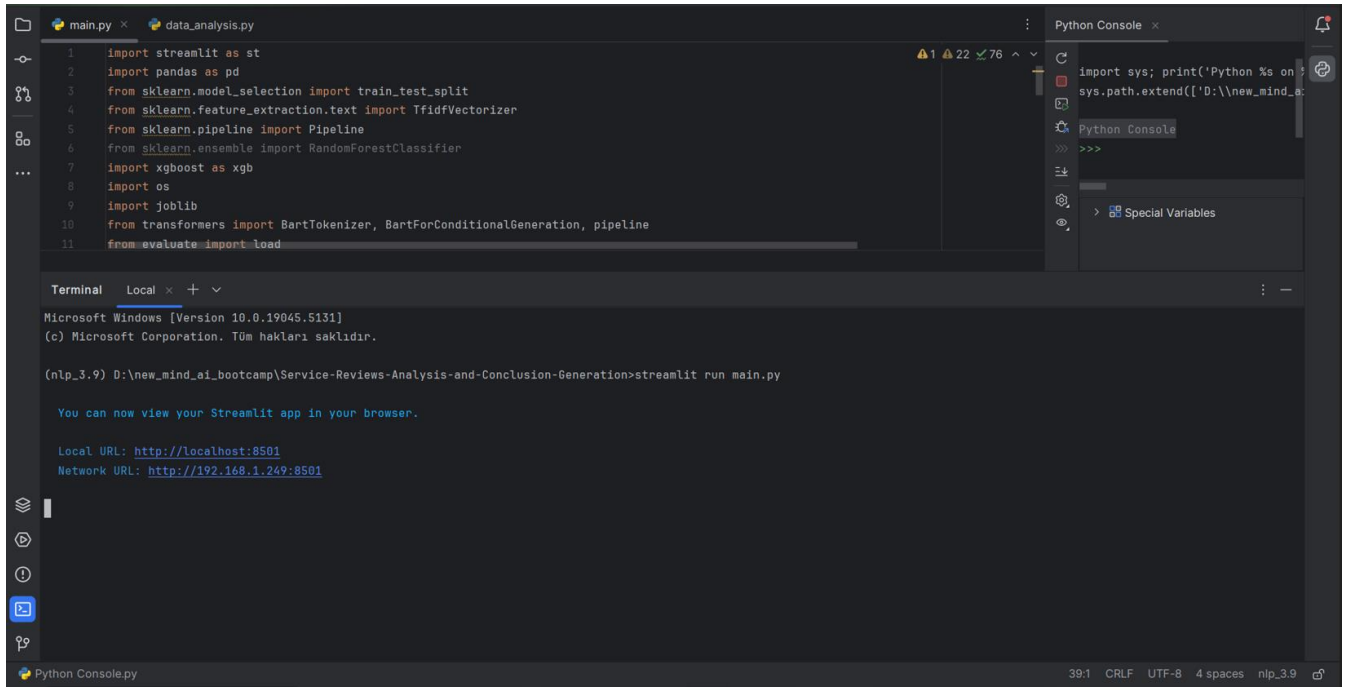


## Kodun alıřtırılması :



The screenshot shows a Jupyter Notebook environment with a dark theme. The main window displays a Python script named `main.py` with the following code:

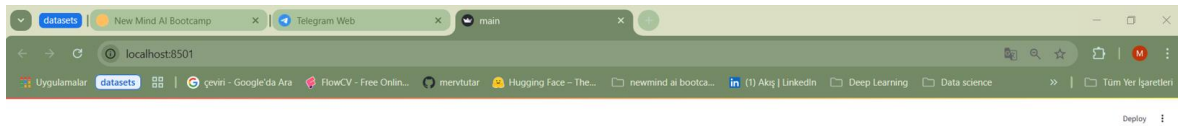
```
1 import streamlit as st
2 import pandas as pd
3 from sklearn.model_selection import train_test_split
4 from sklearn.feature_extraction.text import TfidfVectorizer
5 from sklearn.pipeline import Pipeline
6 from sklearn.ensemble import RandomForestClassifier
7 import xgboost as xgb
8 import os
9 import joblib
10 from transformers import BartTokenizer, BartForConditionalGeneration, pipeline
11 from evaluate import load
```

The right sidebar shows the `Python Console` with the following code:

```
import sys; print('Python %s on %s' % sys.version, sys.path[0])
sys.path.append('D:\\new_mind_ai\\bootcamp\\Service-Reviews-Analysis-and-Conclusion-Generation')
>>>
```

The bottom terminal window shows the command `streamlit run main.py` being executed, and the output indicating that the Streamlit app is running on `http://localhost:8501`.

## Streamlit ekranının aılması:

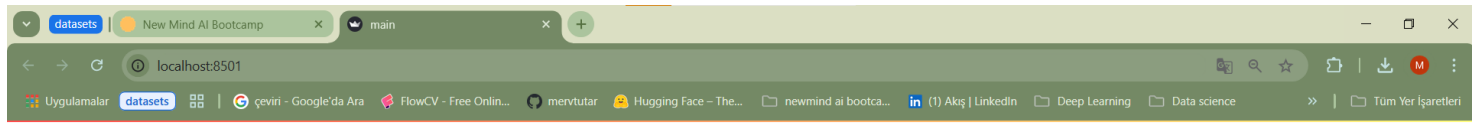


### News Article Categorization, Summarization, Generation

Please enter a news article:

Submit

## Verdiğimiz inputlara göre çeşitli sonuçlar:



### News Article Categorization, Summarization, Generation

Please enter a news article:

The Chinese government has slammed America's introduction of fresh export controls on US-made semiconductors that Washington fears Beijing could use to make the next generation of weapons and artificial intelligence (AI) systems. The new measures, unveiled by the outgoing Biden administration, have raised the political temperature between the world's top two economies ahead of the imminent inauguration of President-elect Donald Trump. Chinese leader Xi Jinping has made self-sufficiency a major pillar of his economic strategy to make China a tech superpower.

Submit

#### Model Performance Metrics:

Accuracy: 0.9785

Precision: 0.9786

Recall: 0.9785

F1 Score: 0.9785

#### ROUGE Scores:

ROUGE-1: 0.5128205128205129

ROUGE-2: 0.4695652173913043

ROUGE-L: 0.5128205128205129

#### BLEU Score:

BLEU: 0.1192

#### Predicted Category: technology

#### Input Summary:

The Chinese government has slammed America's introduction of fresh export controls on US-made semiconductors. Washington fears Beijing could use them to make the next generation of weapons and artificial

#### Summary of other news in technology Category:

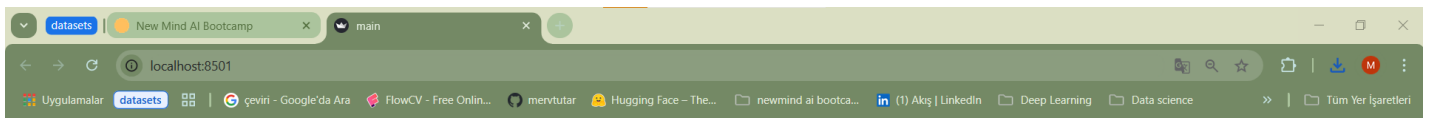
Facebook owner Meta Platforms will be fined 1 million crowns (\$98,500) per day over privacy breaches from Aug. 14. Dyson Thursday launched its first all-in-one wet-and-dry cordless vacuum cleaner, the Dyson V12s Detect Slim Submarine™. Google introduced a new large language that is capable of processing multimodal inputs such as text, images, video, audio and videos to generate videos and audio. Google also introduced a video generation that generates videos that have never been seen before on the search giant's site, Google Play and Google Play Music. Apple's new iPhone X is the first handset to have a built-in fingerprint sensor, the company announced on Thursday. The iPhone X Plus will go on sale in the U.S. in September.

#### Expanded Text:

If Washington fails to grasp China's political ambitions, then China will have to compete on global level.

Read more to read:

China and its allies are reportedly looking at a Chinese initiative to introduce new laws to ban artificial intelligence (AI), as well as artificial intelligence (AI) devices. It has already begun an extensive effort with one of the world's leading industrial giants: China Corporation, and China International Space Organization. China's current policies, which are aimed to strengthen U.S. capabilities in the Asia-Pacific, aim to put China at the key strategic and economic markets of the world, such as the Asia-Pacific, the West, the Asia Pacific and beyond. China also currently holds sway in the Korean Peninsula to strengthen its military presence in the Asia-Pacific region. The measures will be considered in late November in the US Senate for confirmation and confirmation process. It is notable that Xi has given China several speeches and addresses on its nuclear defense research programme. The U.S. has also been pushing for new ways to use AI to improve its economy. In a press release announcing it would be introducing a new "AI system which can easily be programmed and run", the new strategy, which was unveiled by the Obama administration, has prompted U.S. officials to issue a statement outlining the strategic impact of the proposed changes. "These new proposals provide a significant advancement in understanding the relationship between China and the U.S. by improving cooperation and cooperation in defense research and development areas," the White House statement said. In fact, a spokesman for the White House issued a statement saying the policies were not an attack on the U.S. policy towards China in particular. The report, titled The Globalization Agenda, was submitted by a team of Chinese state experts and scholars in Beijing. The



### News Article Categorization, Summarization, Generation

Please enter a news article:

NEW DELHI: Foreign investors made a strong comeback and infused Rs 24,453 crore in the Indian equity markets in the first week of the December, according to data from the National Securities Depository Limited (NSDL). The single largest investment came on December 6, with FPIs investing Rs 9,489 crores. The FPIs investment in the December represents a complete shift from the previous two months, when foreign investors were net sellers. The substantial capital inflow indicates increasing confidence in India's economic prospects.

Submit

#### Model Performance Metrics:

Accuracy: 0.9785

Precision: 0.9786

Recall: 0.9785

F1 Score: 0.9785

#### ROUGE Scores:

ROUGE-1: 0.576271186440678

ROUGE-2: 0.5517241379310345

ROUGE-L: 0.576271186440678

#### BLEU Score:

BLEU: 0.1639

#### Predicted Category: business

#### Input Summary:

Foreign investors made a strong comeback and infused Rs 24,453 crore in the Indian equity markets in the first week of the December. The substantial capital inflow indicates increasing confidence in India's

#### Summary of other news in business Category:

India's petrol and diesel consumption fell in the first half of July as fury of monsoon flipped travel plans and reduced the demand in the agri sector. Demand for diesel, the most consumed fuel in the country accounting for about two-fifths of the demand, fell 15 per cent to 2.96 million tonnes in July 1-15, compared to the year-ago period. The rise in food prices which resulted in an acceleration in retail inflation in June indicates that the fight against inflation is 'far from over', the Reserve Bank of India (RBI) said in a report released on Monday. The Consumer Price Index (CPI) jumped for the first time in five months to 4.81 per cent in June.

#### Expanded Text:

In an effort to boost investor sentiment in India, the Indian government has added new requirements with the purchase of 10 new and 20 new Indian securities this fiscal year to increase liquidity in the country's banking markets. These include, among other changes to cash rules and controls and for investments in other major investment groups. In addition, new foreign partnerships (i.e., acquisitions and partnerships), the requirement for all investment sources in such a specific market, and a new regulator of the markets and authorities to enforce all relevant Indian guidelines for making investment decisions in such a specific market. This will be a significant step toward India's economic prospects. The Indian Securities Act (IV) The Indian Securities Act (IV) will allow funds made under Rs 33,500 or more for certain financial services provided by Indian securities to make capital investment decisions in such a specific market, in particular in the first quarter of this fiscal year. This new exemption for investment banking has been enacted along with a number of other investment options, including: a new financial fund (CAS) that is used to finance capital investment, a new credit card service (CBI) that is used to finance capital investments and foreign investment (FCI) investments in general and private equity investments, and a new investor fund (CAS) that is used to finance capital investment. The new exemption for investment banking is designed to enhance the financial performance of Indian securities on a given day, and to maintain profitability and increase investor confidence in the market for investment financing and other assets in such a general and private sector. The current limit for the exemption is 2% of the fixed-cap rate. On December 19, 2015, India entered into a new arrangement with its central bank (CBI) for funds made up of Indian securities to make capital investments in particular.

## News Article Categorization, Summarization, Generation

Please enter a news article:

Former Australia captain Ricky Ponting believes India's fast bowler Mohammed Siraj is likely to be penalized by the match referee for his fiery send-off to Travis Head after dismissing him on Day 2 of the pink-ball Test in Adelaide. After being flicked for a six by centurion Head, Siraj dismissed him next ball with a full delivery that crashed into the stumps. It led to Siraj giving Head the marching orders with a few unkind words as an unhappy Head also shot back.

Submit

### Model Performance Metrics:

Accuracy: 0.9785

Precision: 0.9786

Recall: 0.9785

F1 Score: 0.9785

### ROUGE Scores:

ROUGE-1: 0.5299145299145299

ROUGE-2: 0.4695652173913043

ROUGE-L: 0.49572649572649574

### BLEU Score:

BLEU: 0.1316

### Predicted Category: sports

### Input Summary:

Former Australia captain Ricky Ponting believes India's fast bowler Mohammed Siraj is likely to be penalized by the match referee. Siraj dismissed Travis Head next ball with a full delivery

### Summary of other news in sports Category:

Arsenal will hope to avoid any slip ups when Manchester United come to visit the Emirates on Sunday. The Gunners have finally found the necessary synergy between their frontline and the backline, which makes them the favourites to go all the way this season. Virat Kohli is excited to be back and playing the second Test between India vs Australia in his home ground at the Arun Jaitley stadium in Delhi. The takeaway from a first-ever bronze medal finish at the Badminton Asian Mixed Team Championships is just how dependable India's young doubles pairings have gotten against any top team in the world. Harbhajan Singh discusses the mental fragility of the Australian team, what India should do to win ICC trophies and why politics minus rancour is the way to go ahead.

### Expanded Text:

England captain Ricky Ponting took the field at 2:17 pm on Tuesday when he was asked to leave for a pre-match press conference after being given several hours to report back to the bench, though he was immediately issued this afternoon. The England scrummate is expected to be allowed to resume his training ahead of the match if he does not receive a reprimand. As I wrote earlier today in this article it is almost a new day for India, having lost more than three-quarters of their Test series. Indian cricket has made a series of changes over the last few years for the first time in over the past six seasons, with the World Twenty20 tournament, a five-part series featuring 20 World Twenty20 players under the age of 14, and eight major ICC world rankings, where the best of the top 20 players will eventually play, and with some of the other top 30 players being excluded from the series in India. The India-built A-League and international cricketers' matches have been made under new stewardship over Cricket Australia. The BCCI has been given the authority to decide the future of the major ICC tournaments, in the most recent series, though the Indian team has yet to decide on any plans to host these international matches. In addition to cricket, the Indian team was also given permission to host a tour that has been called Out. New captain Ricky Ponting would make Australia the fifth-highest ranked sub-division in the world by a score of 42. Following the recent performance of India's Twenty20 side last month and the recent loss of the Ashes to Australia, it would mark just the 10th time an India captain has been given the opportunity to play in Tests. New England batsman Andrew Strauss is also the country's top wicketkeeper, and has not been called

## News Article Categorization, Summarization, Generation

Please enter a news article:

Aamir Khan was recently honoured at the Red Sea Film Festival in Saudi Arabia when the actor was also asked about the possibility of him uniting with Shah Rukh Khan and Salman Khan on screen. The actor confirmed that he had discussed the idea of the three Khans coming together with SRK and Salman. Aamir revealed that they are hoping to get a perfect script soon and are looking forward to the much-awaited collaboration.

Submit

### Model Performance Metrics:

Accuracy: 0.9785

Precision: 0.9786

Recall: 0.9785

F1 Score: 0.9785

### ROUGE Scores:

ROUGE-1: 0.5981308411214953

ROUGE-2: 0.5714285714285714

ROUGE-L: 0.5981308411214953

### BLEU Score:

BLEU: 0.2436

### Predicted Category: entertainment

### Input Summary:

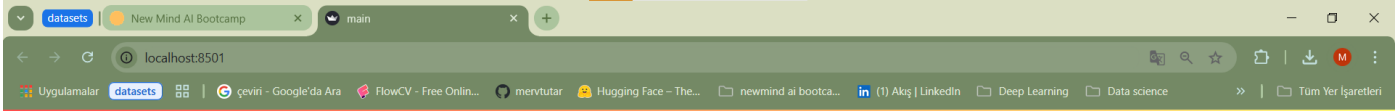
Aamir Khan was recently honoured at the Red Sea Film Festival in Saudi Arabia. The actor was also asked about the possibility of him uniting with Shah Rukh Khan and Salman Khan

### Summary of other news in entertainment Category:

Ranbir Kapoor and Rashmika Mandanna set the stage on fire with their performance on the song "Saami Saami," from the Allu Arjun-starrer Pushpa. K-pop sensation Aora will be entering the Bigg Boss 17 house on Friday. Malayalam superstar Mohanlal is currently basking in the positive responses to his latest movie, 'Animal' Released on Thursday, along with Rajkumar Hirani's 'Dunki', the film is now being dubbed as one of the prominent figures in the film industry alongside Mammootty, Shah Rukh Khan and Lijo Jose Pellissery. The movie, an official adaptation of Thai writer-director Nattawut Poonprika "Bad Genius, instead throws the spotlight on its academically brilliant protagonist who is drawn into a web of manipulation.

### Expanded Text:

The actor appeared very excited when I tweeted a little bit about the duo. He said: "I don't want to get too upset about having a lot of people meet in a cafe to play Shah Rukh Khan." "I just don't think we would be disappointed if we were involved in the film. The movie will feature all five of the Khans, I think, and we hope they will have some conversations about it. As a movie it will be interesting to see whether they will collaborate with each other. It is a story we have already heard we haven't finished yet. The director has already announced that they are in talks to make an official film. This is part of the ongoing negotiations. We have also set up a special screening at the Dubai Film Festival in August. I hope they will have some ideas and plans as they are going through and the production is finally ready to go. It is important to show our team well and for each other that these films are coming together and we can't wait to see where it happens."



## News Article Categorization, Summarization, Generation

Please enter a news article:

When it comes to the study of Geology, two renowned institutions in the United States Harvard University and the Massachusetts Institute of Technology (MIT) stand out as giants. Both universities are located in Cambridge, Massachusetts, and consistently rank at the top of global university charts, including the QS World University Rankings by Subject for Geology. Harvard University holds a prestigious position at No. 2, while MIT follows closely behind at No. 5. While both schools are highly respected for their geological programmes, there are key differences that prospective students should consider when choosing between the two. Harvard vs MIT: Which Geology Programme is Best for US Students in 2024?

Submit

### Model Performance Metrics:

Accuracy: 0.9785

Precision: 0.9786

Recall: 0.9785

F1 Score: 0.9785

### ROUGE Scores:

ROUGE-1: 0.46478873239436624

ROUGE-2: 0.4142857142857143

ROUGE-L: 0.46478873239436624

### BLEU Score:

BLEU: 0.0726

### Predicted Category: education

#### Input Summary:

Harvard University and the Massachusetts Institute of Technology stand out as giants. Both universities consistently rank at the top of global university charts. While both schools are highly respected for their geological programmes,

#### Summary of other news in education Category:

Prime Minister Narendra Modi inaugurated 16 residential schools for needy children in Uttar Pradesh. The schools – Atal Awasiya Vidyalayas – have been opened to provide quality education to children of labourers and construction workers and those orphaned in the COVID-19 pandemic. The last date for submission of list of candidates (LOC) for classes 10 and 12 has been extended to September 28, without late fees and from September 29 to 5 with late fees. The National Testing Agency (NTA) has opened the JEE Main 2024 session 1 image correction window today. The Central Board of Secondary Education (CBSE) has once again extended the last date to submit registration data of the students appearing in the 2023-24 board exams.

#### Expanded Text:

Upper Manhattan: MIT is one of the top universities in the world, with both its geology and geomology records coming down from their high-profile history conferences. On October 23 2005, a top Yale student, John J. Reilly of New York University, won Yale undergraduate degree in Geology and geomology over the same period; Reilly gave three different degrees of success on the first two continents. For the entire process, Harvard students have applied for an undergraduate degree at MIT, but neither has yet been contacted. Washington DC: Harvard, where John Wiley and Sons are affiliated, has its Geology Program at the National Oceanic and Atmospheric Administration (NOAA) responsible for the most rigorous geomology examinations in the world. The Department of Oceanography conducts the most rigorous geomology studies in the world, and the study of geology at Harvard is considered top academic and international research priority. If students consider using the study of geology, their search for the most important geomology or geomology information in the world will start at a search for the most important geomology or geomology information in the world. Geostrategic Regions In which the global geostrategic region is at the top of the regional geostrategic list are the regions of all 10 countries listed above - North America is the single largest of the 10 regions in the global geostrategic region. The region of North America is considered the nation's largest geostrategic region with the largest populations of North America being largest by far, with the largest population of North America being over 160,000,000 residents. The region of North America is considered the nation's largest