



Gist | text summarization at a click of a button

# About

- AI enthusiast
- Diamond and high-end jewellery specialist
- Global pandemic made me rediscover my passion for coding



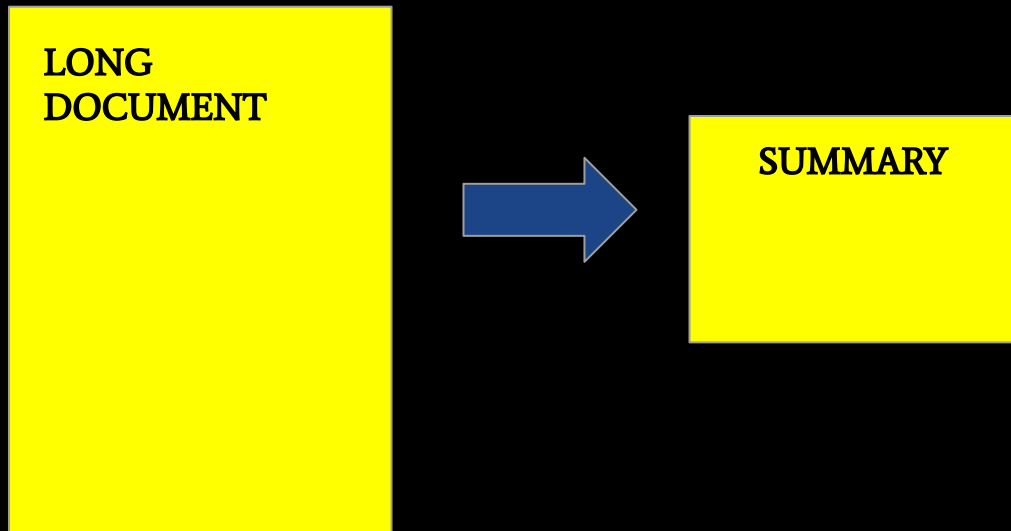
# The problem

- Overwhelming amount of data
- Not enough time
- Hard to keep up



# What is text summarization?

- Distilling key information from a source document to produce a summary, without losing the overall meaning

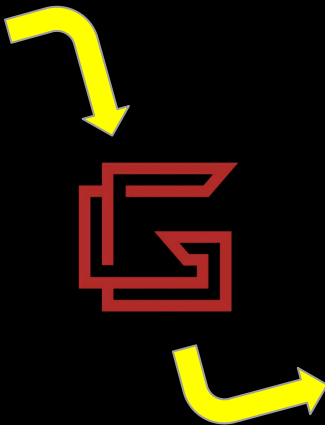


# Why AI text summarization?

- Time optimization
- Less bias
- Easier to browse
- Increased productivity



# Real example of Gist at work



## The gist...

In 2000, Roberts portrayed real-life environmental activist Erin Brockovich in her fight against the Pacific Gas and Electric Company (PG&E) of California in the film *Erin Brockovich*, for which she became the first actress to be paid \$20 million for a film; *Rolling Stone* magazine's Peter Travers wrote, "Roberts shows the emotional toll on Erin as she tries to stay responsible to her children and to a job that has provided her with a first taste of self-esteem", while *Entertainment Weekly* critic Owen Gleiberman felt that it was a "delight to watch Roberts, with her flirtatious sparkle and undertow of melancholy". The film received "overwhelmingly negative reviews", but budgeted at \$25 million, was a moderate box office success, grossing \$48.5 million. In 2015, Roberts appeared in Givenchy's spring–summer campaign, and starred as a grieving mother opposite Nicole Kidman and Chiwetel Ejiofor in the little-seen film *Secret in Their Eyes*, a remake of the 2009 Argentine film of the same name, both based on the novel *La pregunta de sus ojos* by author Eduardo Sacheri. A success with critics and at

# The Natural Language Process - Step 1

RAW DATA



`<p><b>Julia Fiona Roberts</b> (born October 28, 1967)<sup class="reference" id="cite_ref-filmref_1-0"><a href="#cite_note-filmref-1">[1]</a></sup> is an American actress and producer. She has won three <a class="mw-redirect" href="/wiki/Golden_Globe_Award" title="Golden Globe Award">Golden Globe Awards</a> from eight nominations, and has been nominated for four <a href="/wiki/Academy_Awards" title="Academy Awards">Academy Awards</a> for her film acting, winning the <a href="/wiki/Academy_Award_for_Best_Actress" title="Academy Award for Best Actress">Academy Award for Best Actress</a> for her performance in <i><a href="/wiki/Erin_Brockovich_(film)" title="Erin Brockovich (film)">Erin Brockovich</a></i> (2000).`

# Step 2

TEXT  
CLEANING/  
TOKENIZING



Julia Fiona Roberts (born October 28, 1967)[1] is an  
American actress and producer.

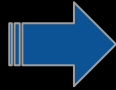


["Julia", "Fiona", "Roberts", "born", "October", "28",  
"1967", "American", "actress", "producer"]



# Step 3

SENTENCE  
SCORING

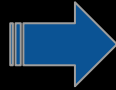


Her performance earned her a nomination for Primetime Emmy Award for Outstanding Guest Actress in a Drama Series.: 0.9523809523809523,

In 2000, Roberts portrayed real-life environmental activist Erin Brockovich in her fight against the Pacific Gas and Electric Company (PG&E) of California in the film Erin Brockovich, for which she became the first actress to be paid \$20 million for a film; Rolling Stone magazine's Peter Travers wrote, "Roberts shows the emotional toll on Erin as she tries to stay responsible to her children and to a job that has provided her with a first taste of self-esteem", while Entertainment Weekly critic Owen Gleiberman felt that it was a "delight to watch Roberts, with her flirtatious sparkle and undertow of melancholy": 2.38095238095238,

# Step 4

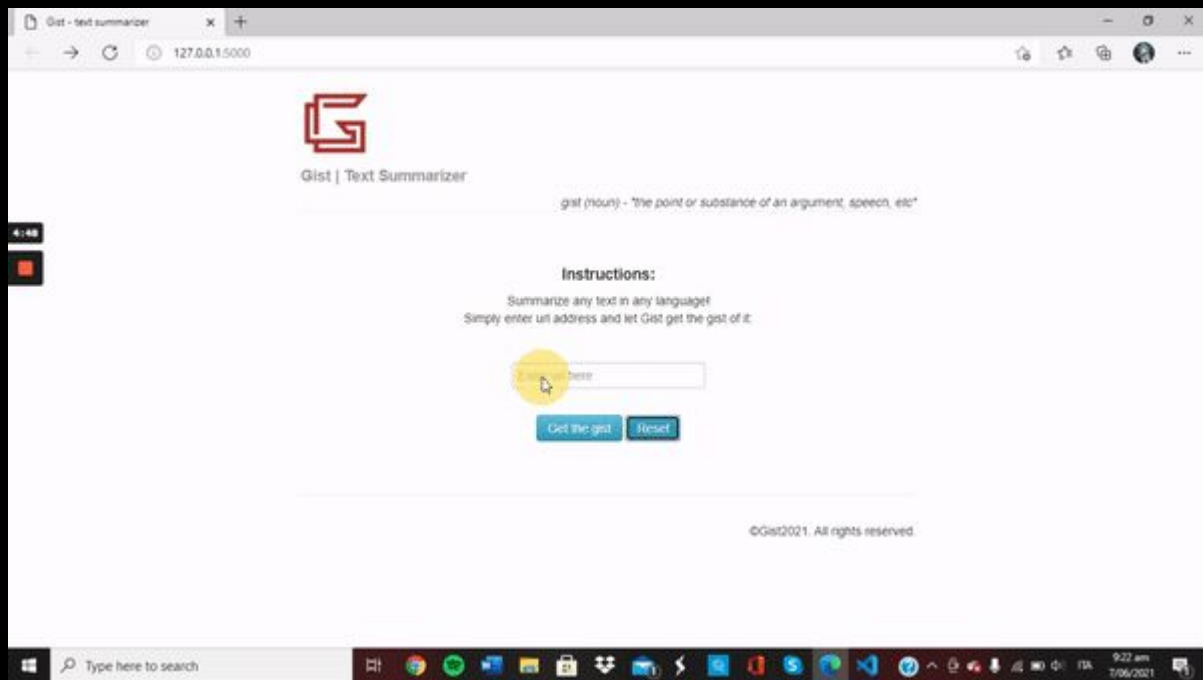
## SUMMARY



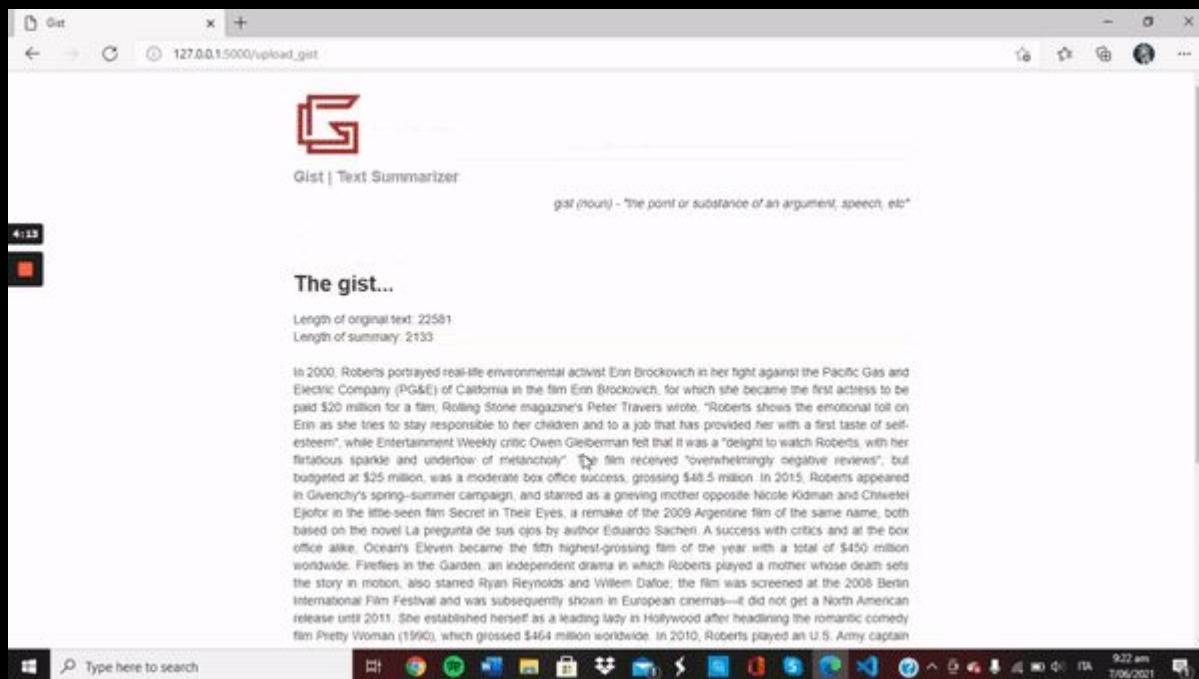
The gist...

In 2000, Roberts portrayed real-life environmental activist Erin Brockovich in her fight against the Pacific Gas and Electric Company (PG&E) of California in the film Erin Brockovich, for which she became the first actress to be paid \$20 million for a film; Rolling Stone magazine's Peter Travers wrote, "Roberts shows the emotional toll on Erin as she tries to stay responsible to her children and to a job that has provided her with a first taste of self-esteem", while Entertainment Weekly critic Owen Gleiberman felt that it was a "delight to watch Roberts, with her flirtatious sparkle and undertow of melancholy". The film received "overwhelmingly negative reviews", but budgeted at \$25 million, was a moderate box office success, grossing \$48.5 million.

# GIST SNEAK PEAK



# GIST SNEAK PEAK



The screenshot shows a web browser window with a single tab titled "Gist". The address bar displays "127.0.0.1:5000/upload\_gist". The page features a logo consisting of two overlapping red squares. Below the logo, the text "Gist | Text Summarizer" is visible. A definition of "gist" is provided: "gist (noun) - 'the point or substance of an argument, speech, etc.'". The main heading is "The gist...". Below this, it states "Length of original text: 22581" and "Length of summary: 2133". The summary text begins with "In 2000, Roberts portrayed real-life environmental activist Erin Brockovich in her fight against the Pacific Gas and Electric Company (PG&E) of California in the film Erin Brockovich, for which she became the first actress to be paid \$20 million for a film; Rolling Stone magazine's Peter Travers wrote, 'Roberts shows the emotional toll on Erin as she tries to stay responsible to her children and to a job that has provided her with a first taste of self-esteem', while Entertainment Weekly critic Owen Gleiberman felt that it was a 'delight to watch Roberts, with her flirtatious sparkle and undertow of melancholy'". The text continues with "The film received 'overwhelmingly negative reviews', but budgeted at \$25 million, was a moderate box office success, grossing \$48.5 million. In 2015, Roberts appeared in Givenchy's spring-summer campaign, and starred as a grieving mother opposite Nicole Kidman and Chiwetel Ejiofor in the little-seen film Secret in Their Eyes, a remake of the 2009 Argentine film of the same name, both based on the novel La pregunta de sus ojos by author Eduardo Sacheri. A success with critics and at the box office alike, Ocean's Eleven became the fifth highest-grossing film of the year with a total of \$450 million worldwide. Fireflies in the Garden, an independent drama in which Roberts played a mother whose death sets the story in motion, also starred Ryan Reynolds and Willem Dafoe; the film was screened at the 2008 Berlin International Film Festival and was subsequently shown in European cinemas—it did not get a North American release until 2011. She established herself as a leading lady in Hollywood after headlining the romantic comedy film Pretty Woman (1990), which grossed \$464 million worldwide. In 2010, Roberts played an U.S. Army captain". The Windows taskbar at the bottom shows the search bar with the text "Type here to search", several application icons, and the system clock displaying "9:27 am 3/06/2021".

Gist | Text Summarizer

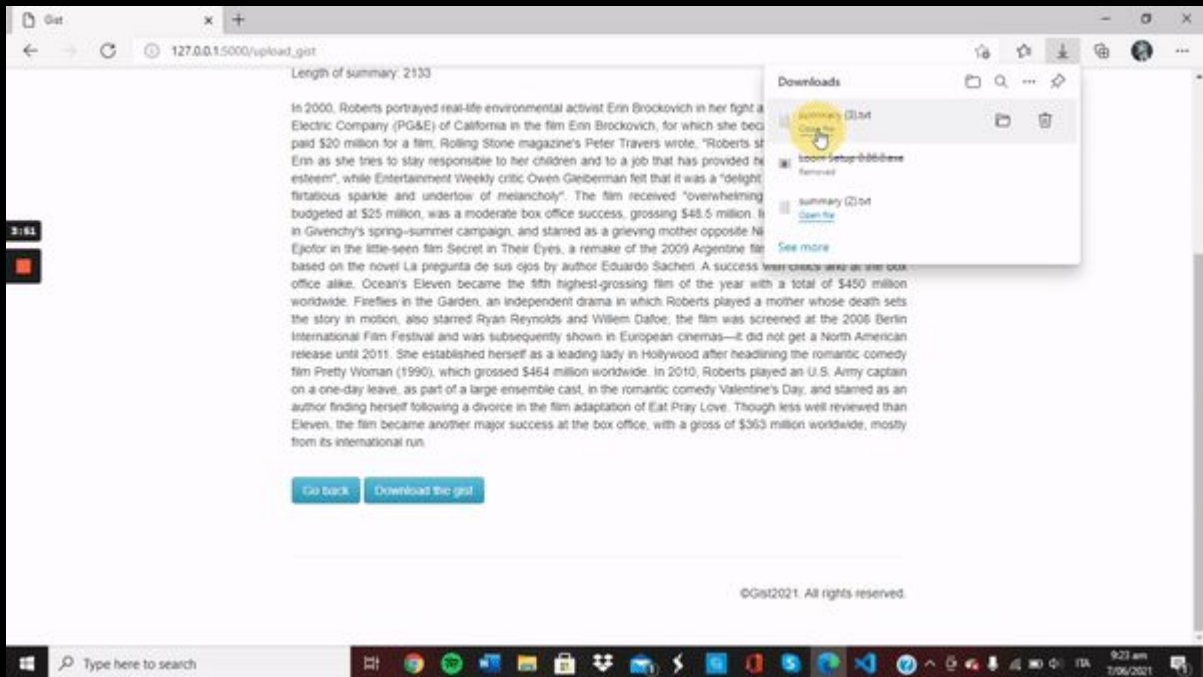
gist (noun) - "the point or substance of an argument, speech, etc."

### The gist...

Length of original text: 22581  
Length of summary: 2133

In 2000, Roberts portrayed real-life environmental activist Erin Brockovich in her fight against the Pacific Gas and Electric Company (PG&E) of California in the film Erin Brockovich, for which she became the first actress to be paid \$20 million for a film; Rolling Stone magazine's Peter Travers wrote, "Roberts shows the emotional toll on Erin as she tries to stay responsible to her children and to a job that has provided her with a first taste of self-esteem", while Entertainment Weekly critic Owen Gleiberman felt that it was a "delight to watch Roberts, with her flirtatious sparkle and undertow of melancholy". The film received "overwhelmingly negative reviews", but budgeted at \$25 million, was a moderate box office success, grossing \$48.5 million. In 2015, Roberts appeared in Givenchy's spring-summer campaign, and starred as a grieving mother opposite Nicole Kidman and Chiwetel Ejiofor in the little-seen film Secret in Their Eyes, a remake of the 2009 Argentine film of the same name, both based on the novel La pregunta de sus ojos by author Eduardo Sacheri. A success with critics and at the box office alike, Ocean's Eleven became the fifth highest-grossing film of the year with a total of \$450 million worldwide. Fireflies in the Garden, an independent drama in which Roberts played a mother whose death sets the story in motion, also starred Ryan Reynolds and Willem Dafoe; the film was screened at the 2008 Berlin International Film Festival and was subsequently shown in European cinemas—it did not get a North American release until 2011. She established herself as a leading lady in Hollywood after headlining the romantic comedy film Pretty Woman (1990), which grossed \$464 million worldwide. In 2010, Roberts played an U.S. Army captain

# GIST SNEAK PEAK



# The target

- The whole market!



# Tech stack



HTML



Bootstrap 4



spaCy



Flask

# Thank you!



<https://github.com/comicodex>



<https://linkedin.com/in/agnese-navarro/>



[comicodex9@gmail.com](mailto:comicodex9@gmail.com)