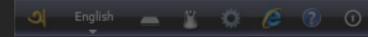
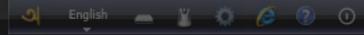


# NLP Tasks



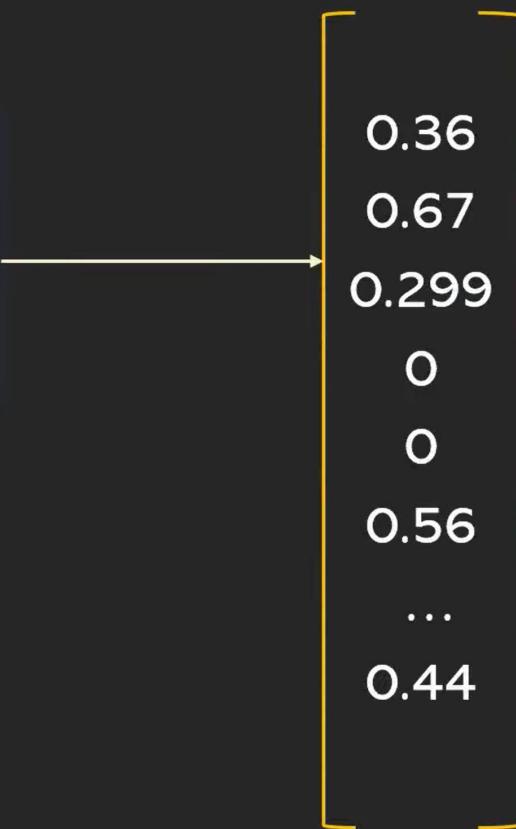


# Customer Complain Severity Classification

Camtasia 10.0 won't  
import mp4 file through  
import media section

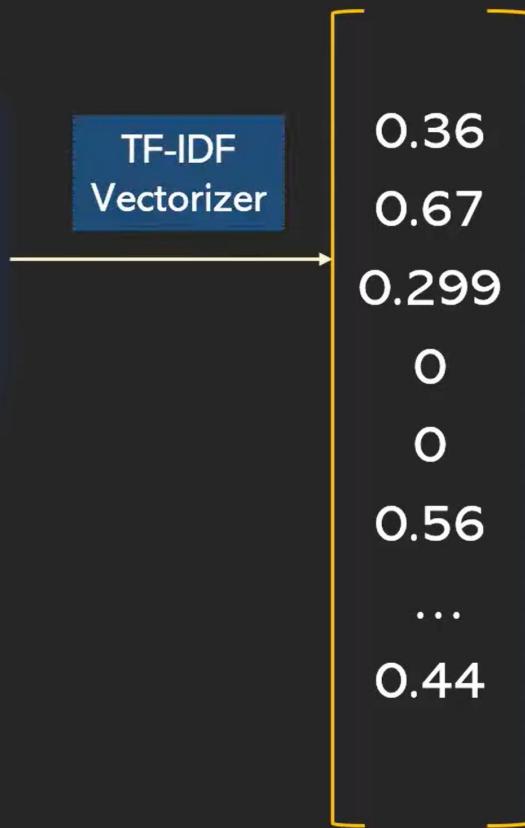
# Customer Complain Severity Classification

Camtasia 10.0 won't  
import mp4 file through  
import media section



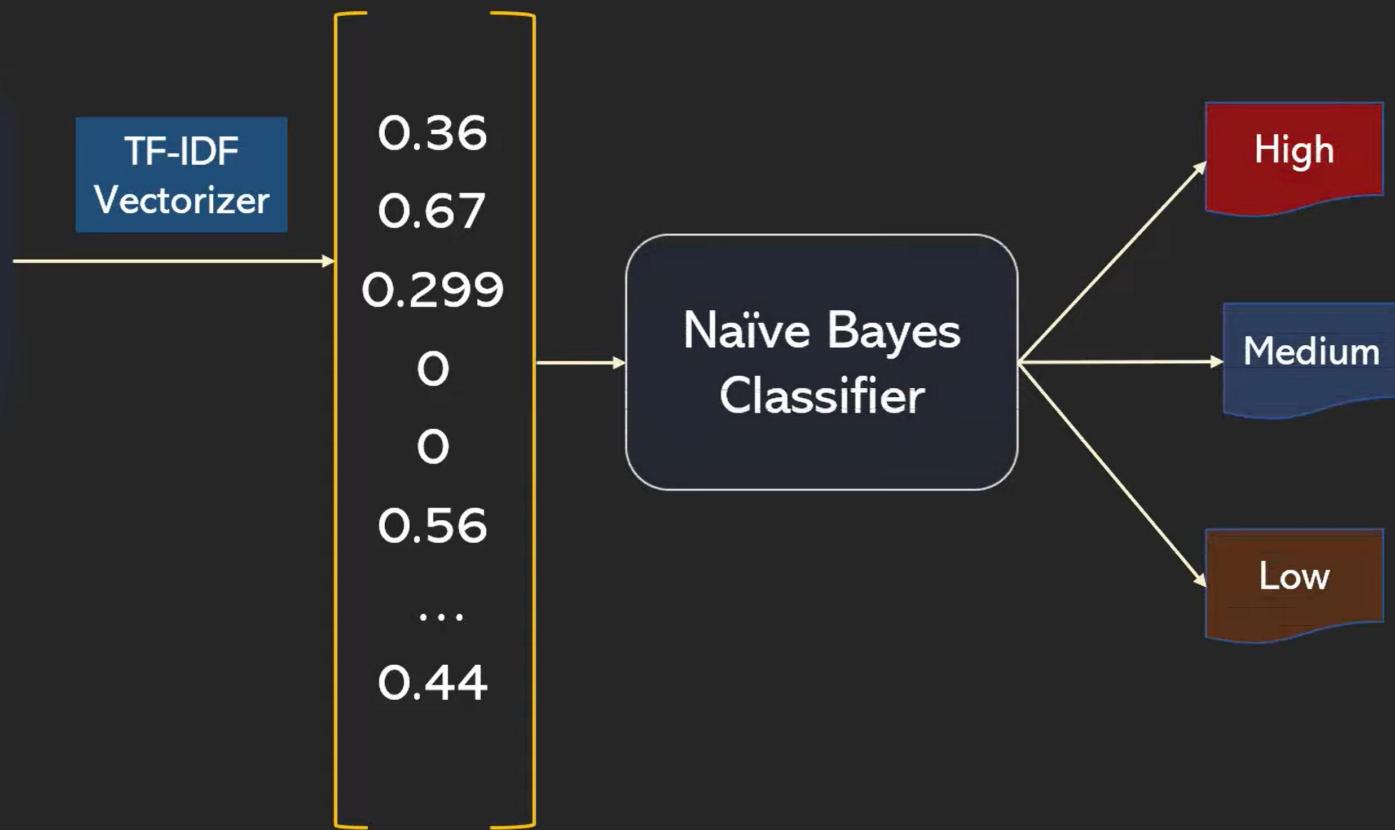
# Customer Complain Severity Classification

Camtasia 10.0 won't  
import mp4 file through  
import media section



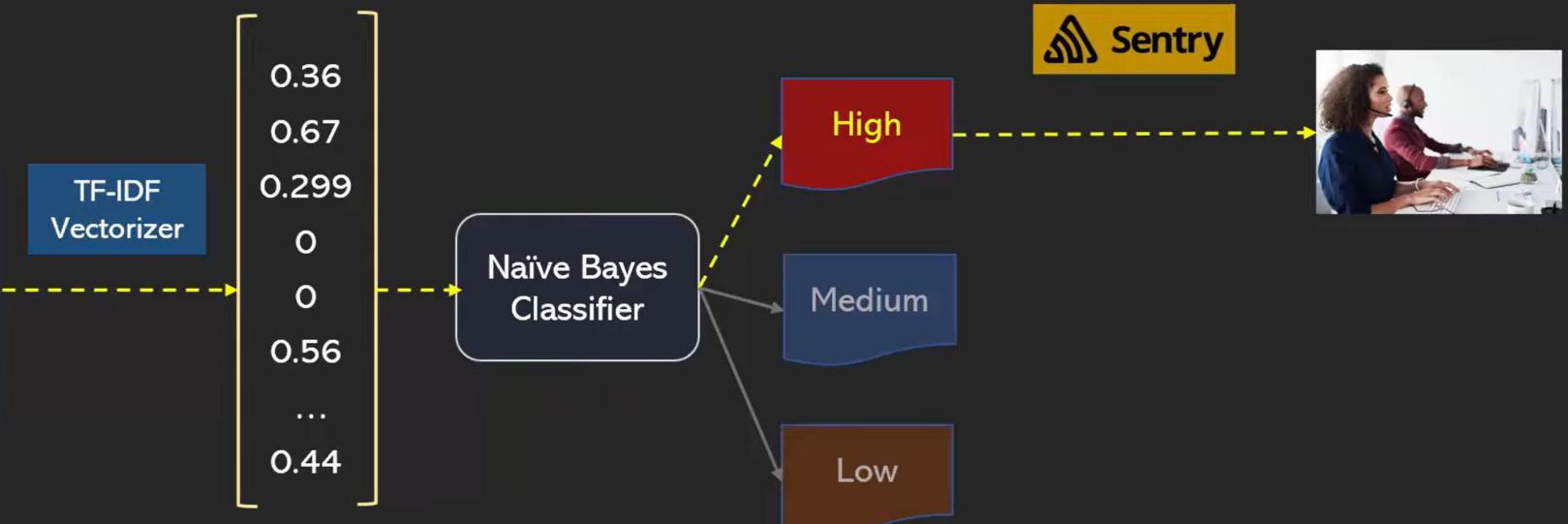
# Customer Complain Severity Classification

Camtasia 10.0 won't import mp4 file through import media section



# Customer Complain Severity Classification

Camtasia 10.0 won't import mp4 file through import media section



# Customer Complain Severity Classification

I am not able to find  
video tutorial for  
importing zip file, where  
is it?

TF-IDF  
Vectorizer

$\begin{bmatrix} 0.12 \\ 0.57 \\ 0 \\ 0 \\ 0.1 \\ \dots \\ 0.22 \end{bmatrix}$

Naïve Bayes  
Classifier

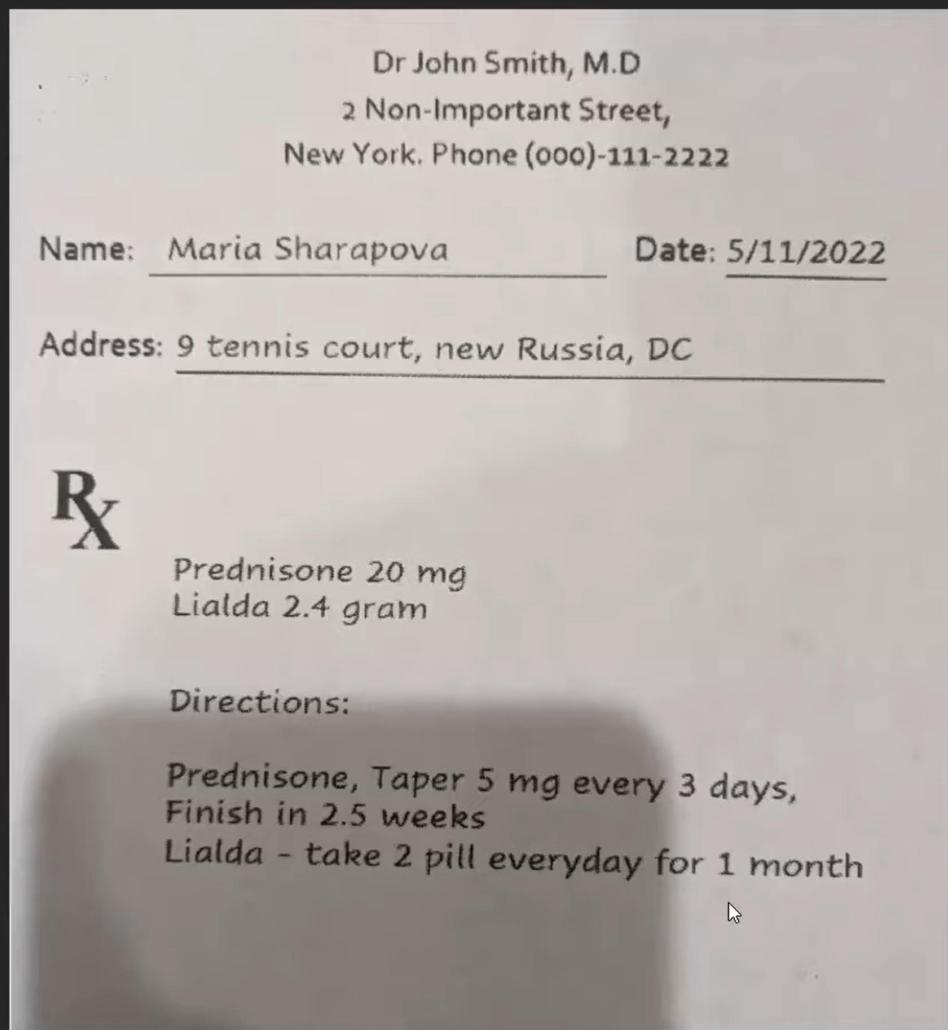
High

Medium

Low

 Sentry

Create JIRA ticket  
with low priority



Prescription

17/12/2020

### Patient Medical Record

Patient Information

Kathy Crawford  
(737) 988-0851  
9264 Ash Dr  
New York City, 10005  
United States

Birth Date  
May 6 1972

Weight:  
95

Height:  
190

In Case of Emergency

Simeone Crawford  
Home phone  
(990) 375-4621

9266 Ash Dr  
New York City, New York, 10005  
United States

Work phone

General Medical History

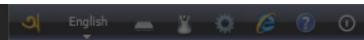
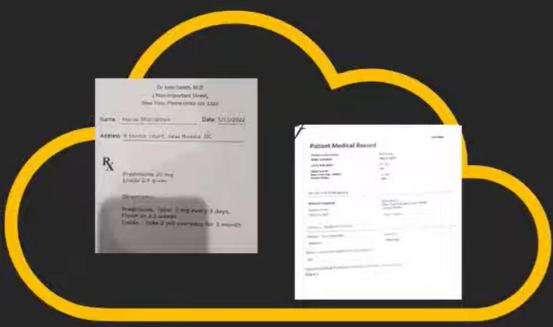
Chicken Pox (Varicella): Measles:  
IMMUNE IMMUNE

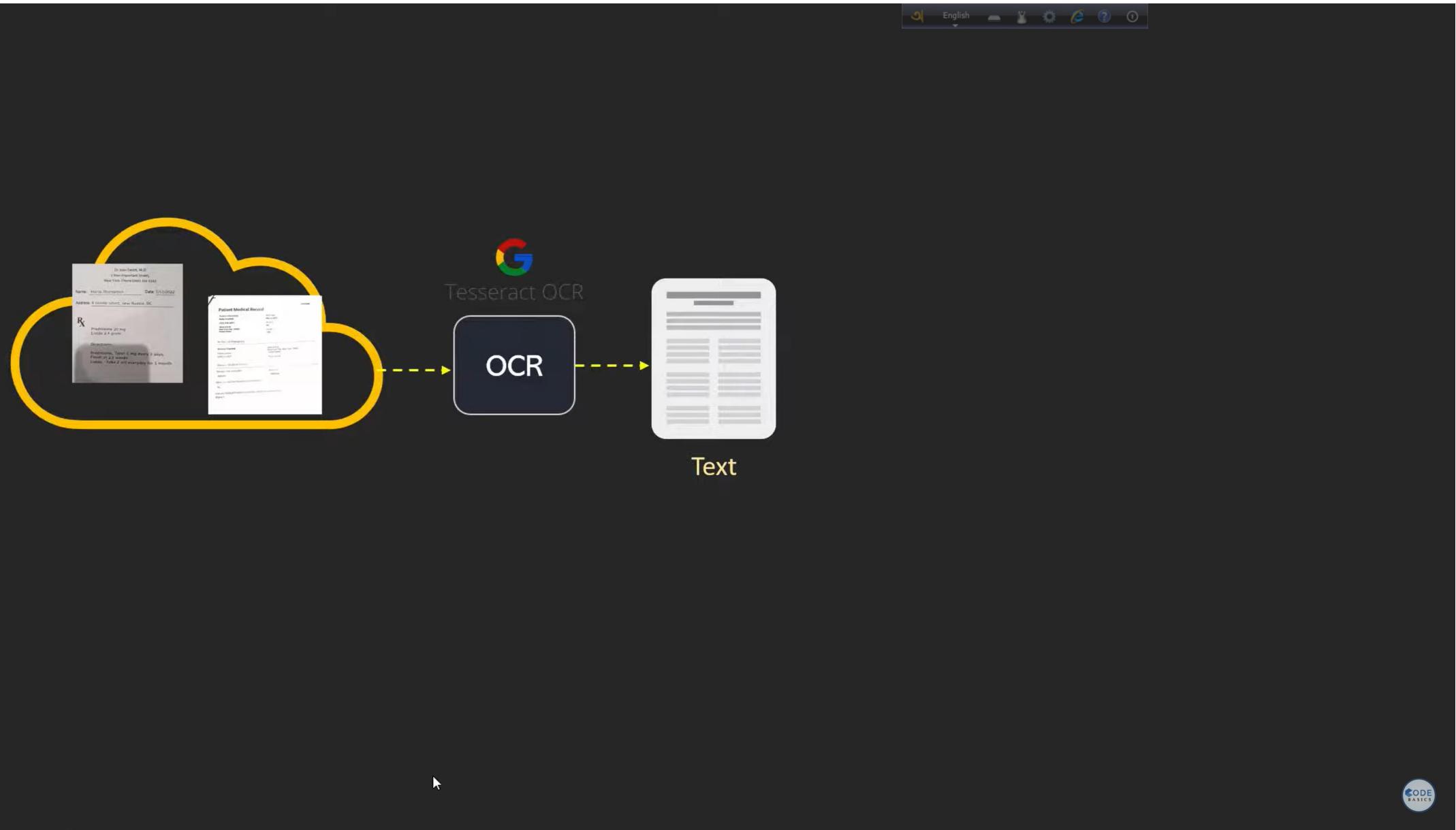
Have you had the Hepatitis B vaccination?  
No

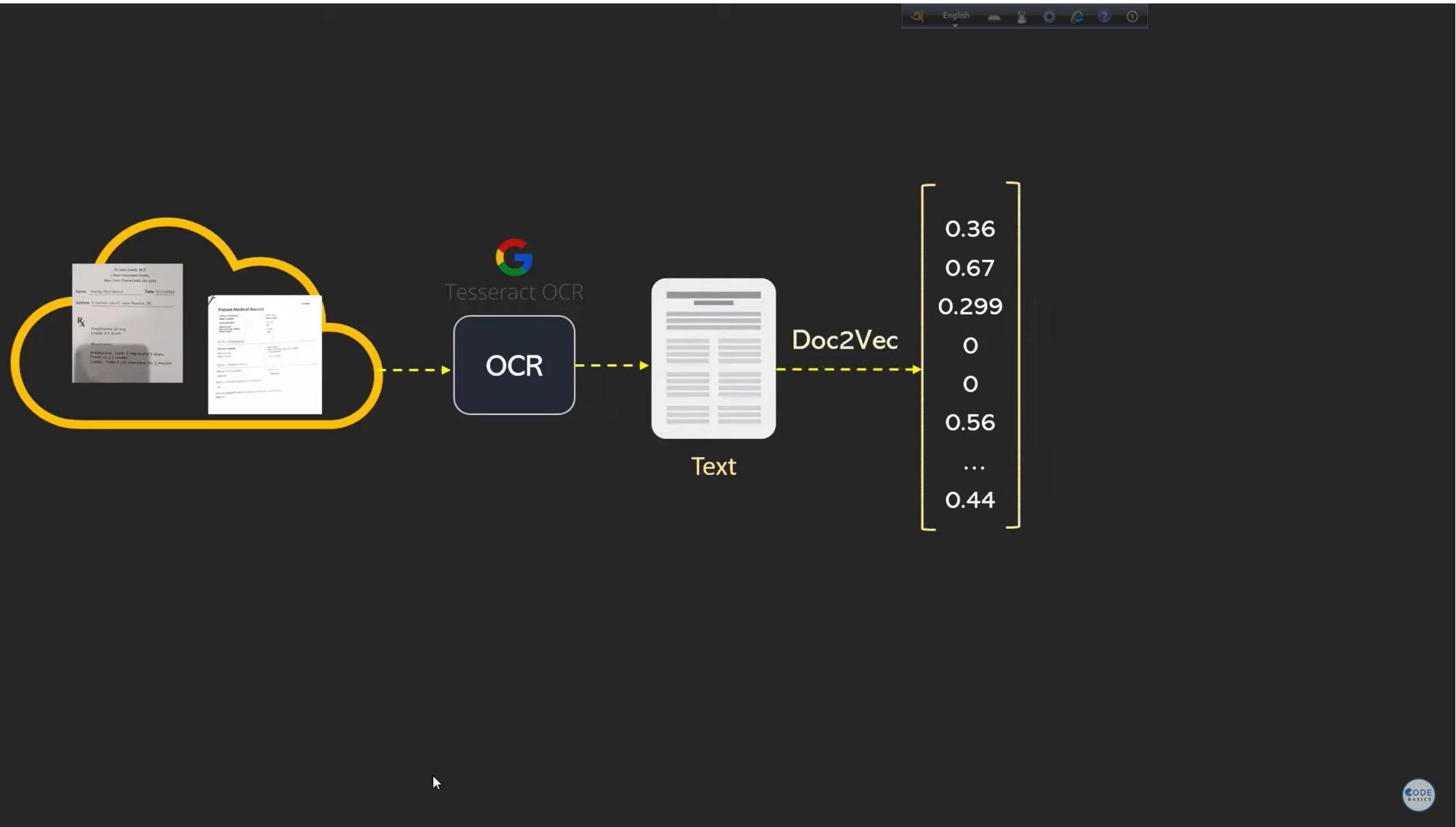
List any Medical Problems (asthma, seizures, headaches):  
Migraine

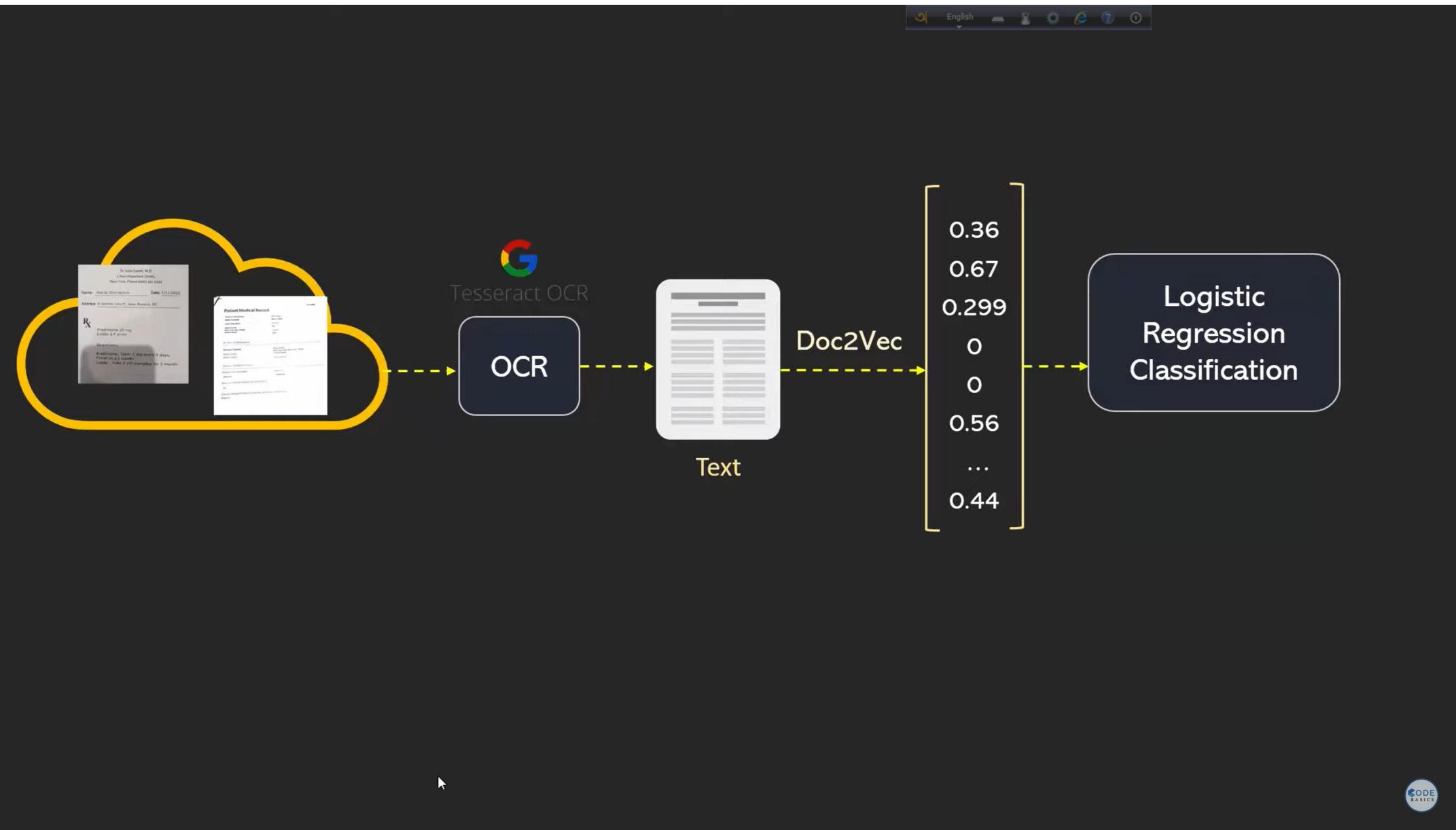
Patient Record

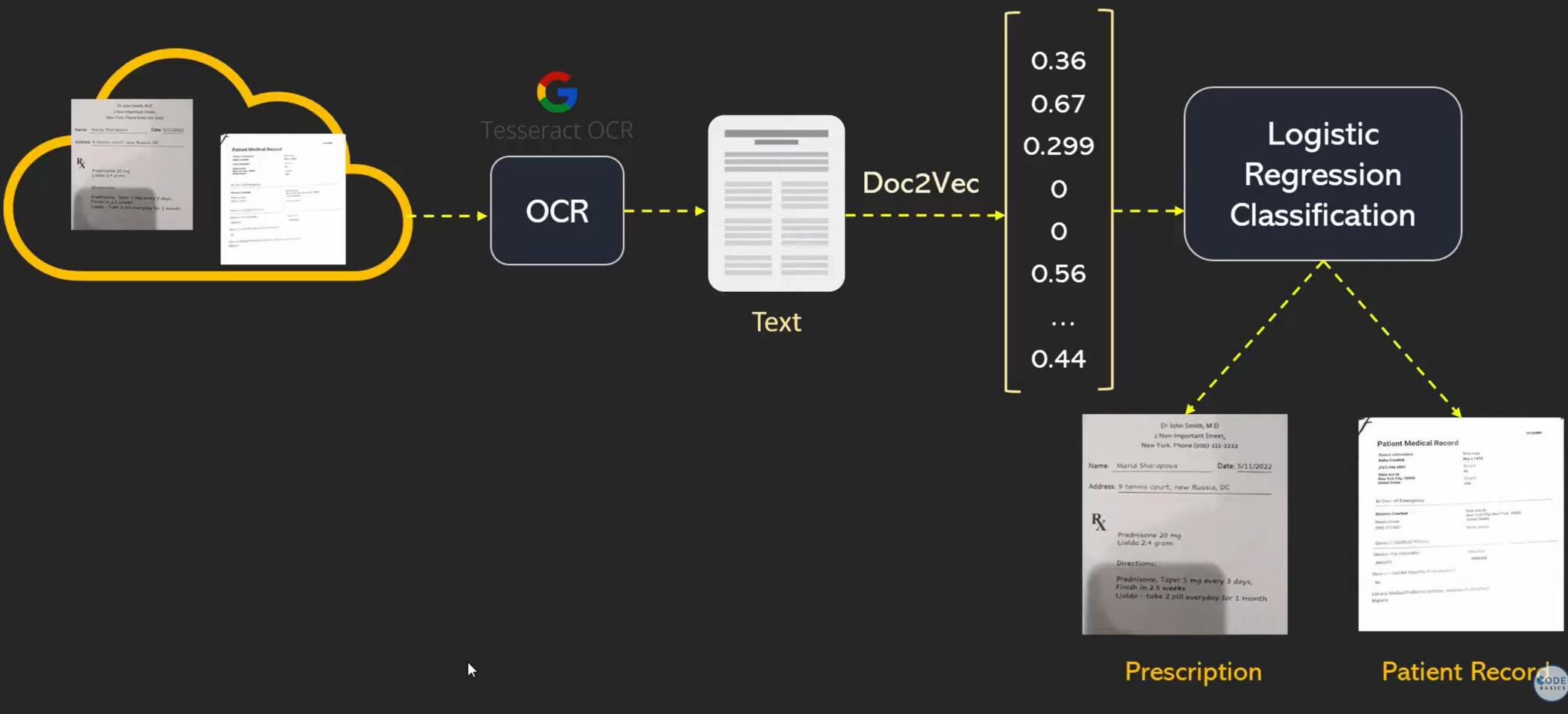












## Getting Smarter

Hate speech posts flagged by Facebook's AI systems before they were reported by users.

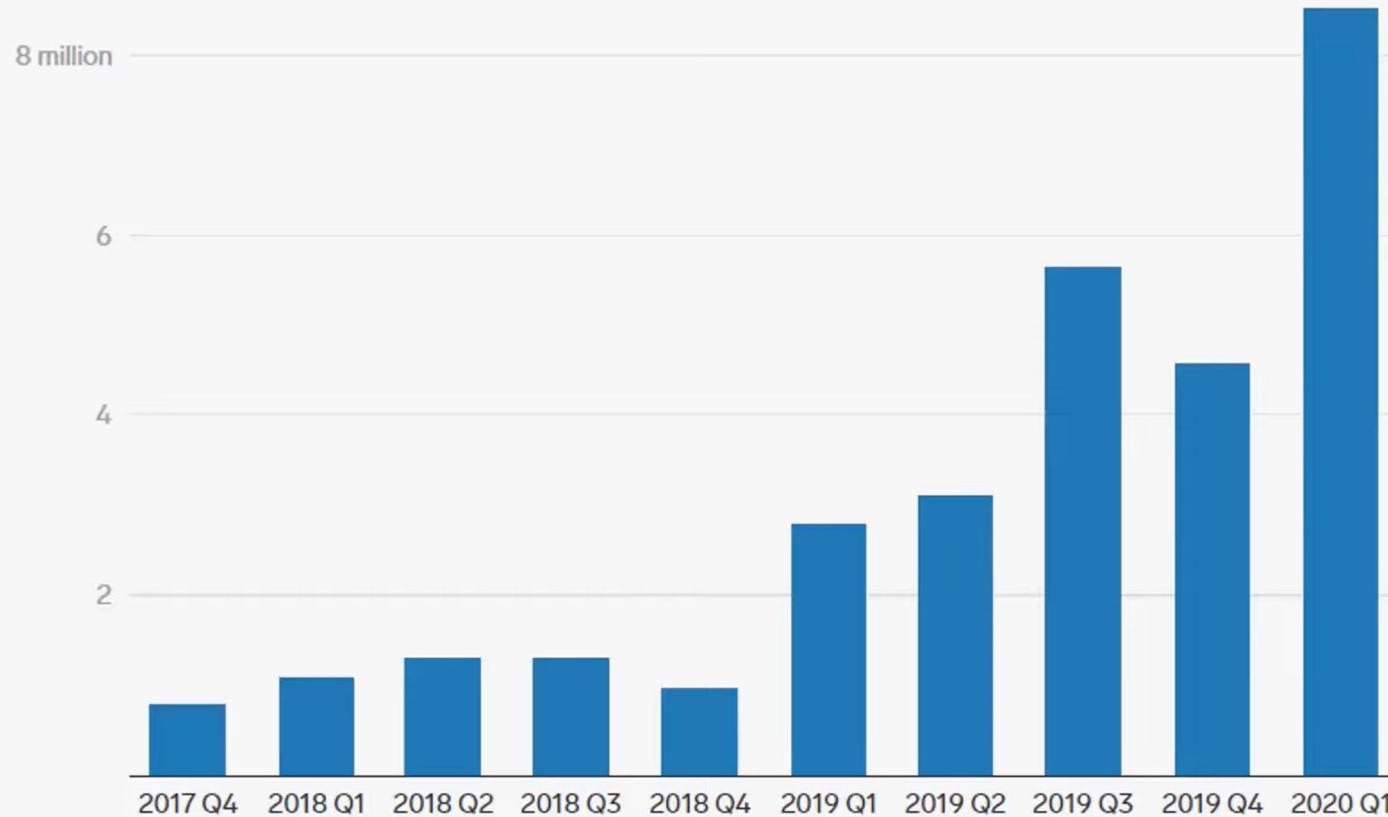
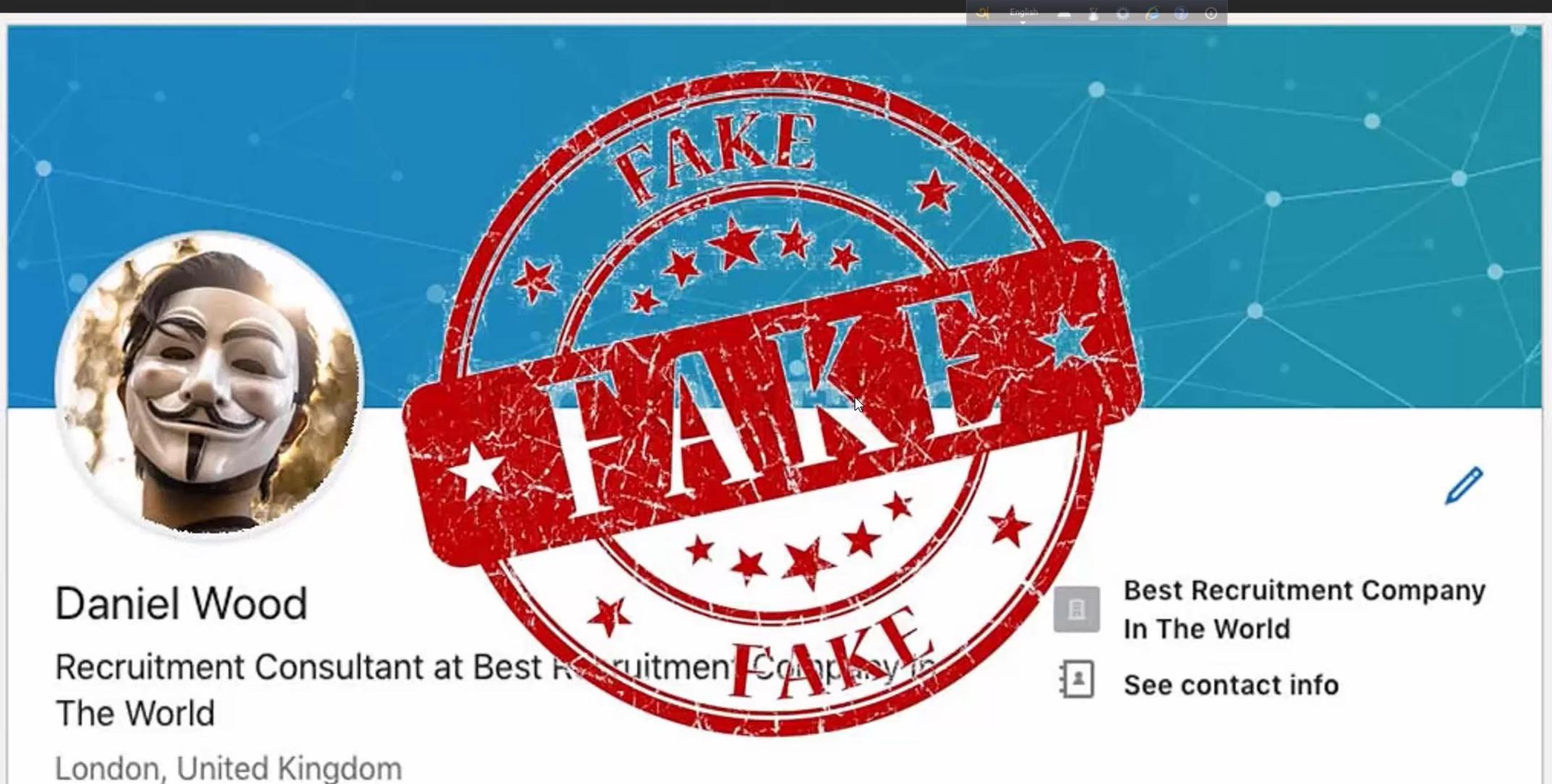


Chart: WIRED • Source: Facebook



A screenshot of a LinkedIn profile page. The profile picture is a Guy Fawkes mask. The name is Daniel Wood, with the title "Recruitment Consultant at Best Recruitment Company In The World". The location is London, United Kingdom. The profile is marked as fake, indicated by a large red circular stamp with the word "FAKE" repeated three times over a background of stars. To the right, there are two buttons: "Best Recruitment Company In The World" with a pencil icon and "See contact info" with a person icon. The LinkedIn interface is visible at the top.

Daniel Wood

Recruitment Consultant at Best Recruitment Company In The World

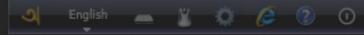
London, United Kingdom

FAKE FAKE FAKE

Best Recruitment Company  
In The World

See contact info

Image credit: <https://www.aldanayabogados.com/>



# Text Similarity

⚡ Hosted inference API ⓘ

Sentence Similarity Examples

Source Sentence

Skills required: Data munging using Pandas, Experience in Python and numpy

Sentences to compare to

I have worked on data cleaning using pandas, python and numpy

Exploratory data analysis using Pandas. 2 Years of python programming experience

Java backend developer with 5 years of experience

Add Sentence

Compute

Computation time on cpu: 0.1475999999999998 s

I have worked on data cleaning using pandas, python and numpy	0.572
Exploratory data analysis using Pandas. 2 Years of python programming experience	0.559
Java backend developer with 5 years of experience	0.283

JSON Output Maximize

Spaces using sentence-transformers/paraphrase-xlm-r-multilingual-v1

rexoscare/Resume\_screener ThomasSimonini/Murder-on-horsea-island-prototype

CODE BASICS

G hugging face sentence transform x sentence-transformers/paraphra x Resume\_screener - a Hugging Face x + English

huggingface.co/sentence-transformers/paraphrase-xlm-r-multilingual-v1

Apps YT Studio N: Home N: LinkedIn N: PowerBI Community WhatsApp Web My LinkedIn Posts Zoho gmail Discord Other Graphics Portals Deploy Use in sentence-transformers

Model card Files and versions

sentence-transformers/paraphrase-xlm-r-multilingual-v1

This is a [sentence-transformers](#) model: It maps sentences & paragraphs to a 768 dimensional dense vector space and can be used for tasks like clustering or semantic search.

Downloads last month 151,388

Hosted inference API Sentence Similarity Examples

Source Sentence: That is a happy person

Sentences to compare to:

- That is a happy dog
- That is a very happy person
- Today is a sunny day

Add Sentence

Compute

Computation time on cpu: cached

Sentence	Score
That is a happy dog	0.662
That is a very happy person	0.938
Today is a sunny day	0.230

JSON Output Maximize

Spaces using sentence-transformers/paraphrase-xlm-r-multilingual-v1

- pritamdeka/health-article-keyphrase-generator
- rexoscare/Resume\_screener
- ThomasSimonini/Murder-on-horsea-island-prototype
- pritamdeka/pubmed-abstract-retriever

CODE BASICS 5:1 PM 2/16/2022

Model card

Files and versions

sentences = ["This is an example sentence", "Each sentence is converted"]

model = SentenceTransformer('sentence-transformers/paraphrase-xlm-r-multilingual-v1')

embeddings = model.encode(sentences)

print(embeddings)

Usage (HuggingFace Transformers)

Without [sentence-transformers](#), you can use the model like this: First, you pass your input through the transformer model, then you have to apply the right pooling-operation on-top of the contextualized word embeddings.

from transformers import AutoTokenizer, AutoModel

import torch

hugging face sentence transform | 🤗 sentence-transformers/paraphra | 🤗 Resume\_screener - a Hugging Face | 🤗 Resume\_screener - a Hugging Face | +

English

huggingface.co/spaces/rexoscare/Resume\_screener

Apps YT Studio N: Home N: LinkedIn N: PowerBI Community WhatsApp Web My LinkedIn Posts Zoho gmail Discord Other Graphics Portals

Reading list

# Resume Screener

Upload your resume(.pdf) and the job description(.txt) and let the sentence similarity model display the similarity percentage !!!

Upload the Resume (.pdf)

Drop File Here  
- or -  
Click to Upload

Upload the Job Description (.txt)

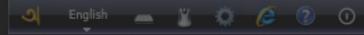
Drop File Here  
- or -  
Click to Upload

Screenshot Flag

Clear Submit

CODE BASICS 5:22 PM 2/16/2022

The screenshot shows a web application interface for "Resume Screener" on the Hugging Face platform. At the top, there's a navigation bar with links for "Models", "Datasets", "Spaces", "Docs", "Solutions", "Pricing", "Log In", and "Sign Up". Below the navigation is a search bar labeled "Search models, datasets, users...". The main content area displays a resume titled "Data-Scientist-Resume.pdf" (34.8 KB) and a job description titled "data\_science\_job\_descrip tion.txt". A central result box shows a similarity score of "47.98" with a timestamp of "1.88s". There are buttons for "Screenshot" and "Flag". The bottom of the screen shows a taskbar with various icons and a system tray indicating "CODE BASH" and the date "2/16/2022".



### Job Description

Skills Required: Data munging using Pandas, Experience In Python and numpy

### Resume

Exploratory data analysis using Pandas. 2 Years of python programming experience



### Job Description

Skills Required: Data munging using Pandas, Experience In Python and numpy

### Resume

Exploratory data analysis using Pandas. 2 Years of python programming experience

Sentence Encoder

Sentence Encoder

[ 45, 12, 45, ..., 98 ]

[ 41, 10, 7, ..., 1.2 ]

### Job Description

Skills Required: Data munging using Pandas, Experience In Python and numpy

### Resume

Exploratory data analysis using Pandas. 2 Years of python programming experience

Sentence Encoder

[ 45, 12, 45, ..., 98 ]

Sentence Encoder

[ 41, 10, 7, ..., 1.2 ]

Cosine Similarity

### Job Description

Skills Required: Data munging using Pandas, Experience In Python and numpy

### Resume

Exploratory data analysis using Pandas. 2 Years of python programming experience

Sentence Encoder

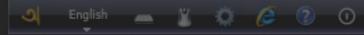
[ 45, 12, 45, ..., 98 ]

Sentence Encoder

[ 41, 10, 7, ..., 1.2 ]

Cosine Similarity

65% Match



# Information Extraction

mail.google.com/mail/u/0/#label/Flight+Tickets/ FMfcgzGkZssfBvCXZSwvWhVcpNwnMDWT

Gmail label:flight-tickets

Compose

Important Sent Drafts 293

Meet New meeting Join a meeting

Hangouts

Your priceline itinerary for San Francisco, CA - Thursday, September 09, 2021 (Itinerary# 430-802-653-38)

Flight Tickets

Newark to San Francisco – UA 310  
Sep 9, 2021, 8:35 AM–11:37 AM

Take-off Sep 9, 2021, 8:35 AM

Landing Sep 9, 2021, 11:37 AM

Flight duration 6 hr, 2 min

Passenger name Dhaval Patel

Seat -

Confirmation number 430-802-653-38

View in Travel

San Francisco to Chicago – UA 1998  
Sep 17, 2021, 1:45 PM–7:59 PM

Chicago to Newark – UA 1774  
Sep 17, 2021, 9:15 PM–Sep 18, 2021, 12:28 AM

Priceline <info@travel.priceline.com>  
to me

Mon, Aug 16, 2021, 10:12 PM

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English

Search for topics, locations & sources

CODE  
BASICS

Google News

Top stories

For you

Following

News Showcase

Saved searches

COVID-19

India

World

Your local news

Business

Technology

Entertainment

Sports

Science

Health

Language & region

English (India)

Settings

Get the Android app

Get the iOS app

Election round up: Heavy turnout in UP, Uttarakhand and Goa; PM Modi makes strong development pitch in Pu

Times of India • 7 hours ago

- Assembly Elections: Goa Records High Voter Turnout, Moderate Voter Response In U.P, Uttarakhand

India Today • 12 hours ago

[View Full coverage](#)



My chopper couldn't take-off due to Congress's yuvraj: PM Modi recalls 2014 incident in Punjab

India Today • 12 hours ago

- "My Chopper Held Up By Yuvraj in 2014": PM's Swipe At Rahul Gandhi

NDTV • 14 hours ago

[View Full coverage](#)



'Dear KCR Garu..: Himanta slams Telangana CM over surgical strike 'proof'

Hindustan Times • 13 hours ago

- "Dear KCR Garu, Here's Evidence": Assam's Himanta Sarma On Surgical Strikes

NDTV • 16 hours ago

[View Full coverage](#)



UP Polling Phase-2: 62.22% Turnout Recorded as Voting Ends for 55 Seats

The Quint • 12 hours ago

- Uttar Pradesh assembly elections 2022 phase 2 live updates: Over 61% polling in UP 2nd phase

Times of India • 1 hour ago

[View Full coverage](#)



Raise Paying voters' claim

The Quint

Fake Zee Opinion Poll Predicts Congress Win In Uttarakhand

BOOM

12-Year-Old Video of Teachers' Protest Falsely Linked to Karnataka Hijab Row

The Quint

Video of Rakhi Sawant in hijab is from 2021

Alt News

Were 'Congress Zindabad' Slogans Raised At Amit Shah's Uttarakhand Rally? A FactCheck

BOOM

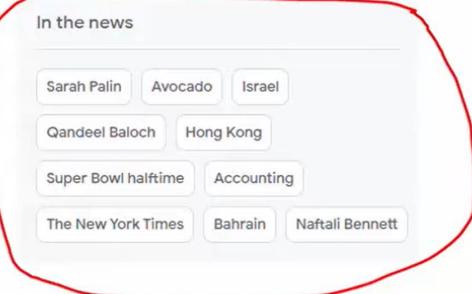
In the news

Sarah Palin Avocado Israel

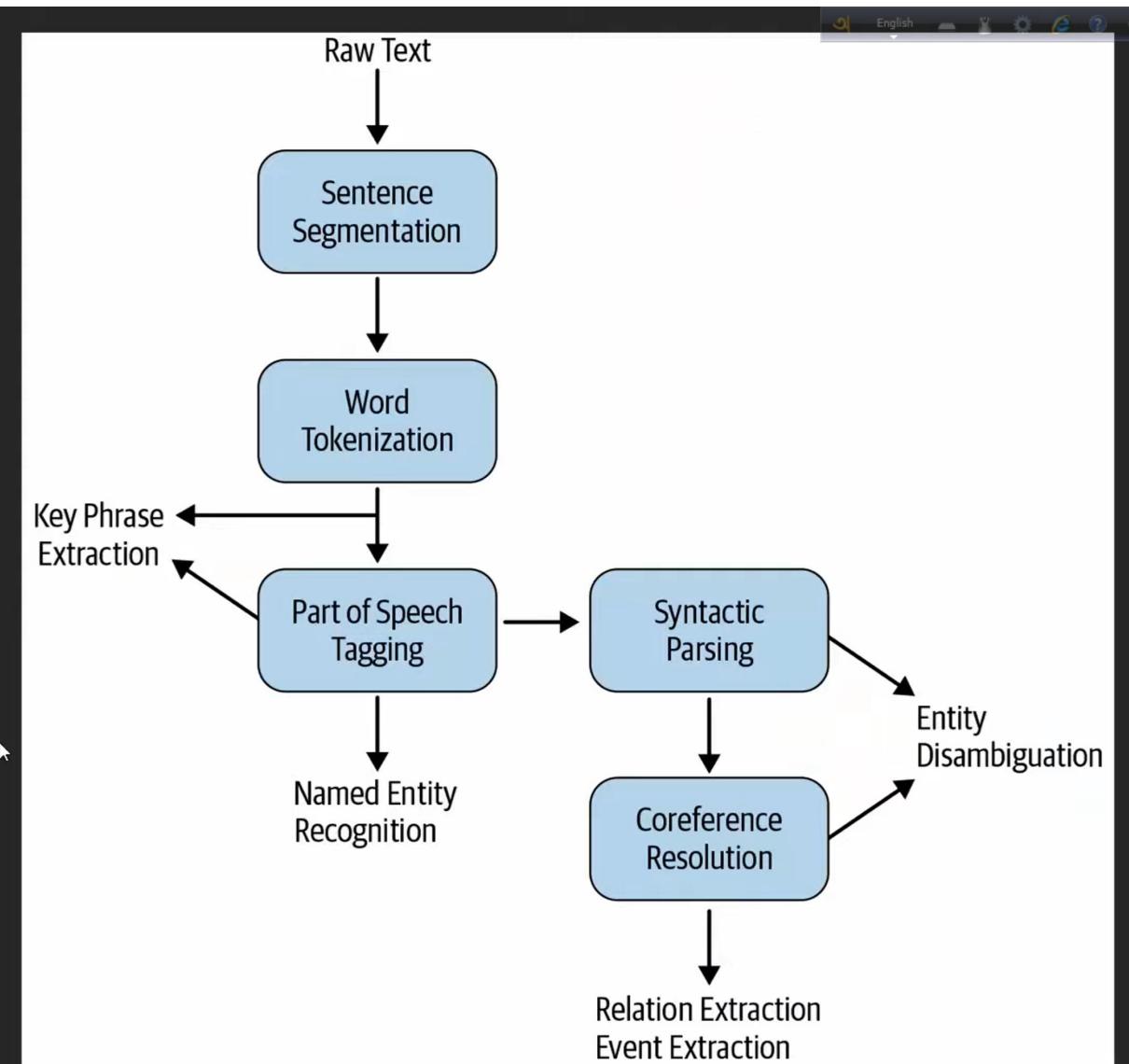
Qandeel Baloch Hong Kong

Super Bowl halftime Accounting

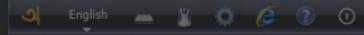
The New York Times Bahrain Naftali Bennett



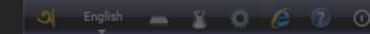
CODE  
BASICS



Source: Practical NLP Book



# Information Retrieval



vada pav places near me



<https://restaurant-guru.in> › Vadodara, Gujarat



## Best vada pav in Vadodara restaurants, Winter 2022

73 results — Explore best **places** to eat **vada pav** in Vadodara and nearby.

<https://www.tripadvisor.in> › ... › Tasty Vadapav



## Best Vadapav in The City - Reviews, Photos - Tasty Vadapav

Browse **nearby**. Restaurants (1,042) | Hotels (157) | **Places** to Visit (140).

★★★★★ Rating: 4 · Review by a Tripadvisor user

<https://www.zomato.com> › ... › Vadodara › Nizampura



## Tasty Vadapav, Nizampura, Vadodara | Zomato

Tasty **Vadapav** Vadodara, Nizampura; View reviews, menu, contact, location, and more for Tasty **Vadapav** Restaurant.

★★★★★ Rating: 4.6 · 1,000 votes · Price range: ₹150 for two people (approx.)

Missing: **places** | Must include: **places**

<https://magicpin.in> › ... › Alkapuri › Restaurant



## Vada Pav, Alkapuri, Vadodara - magicpin

**Vada Pav**, Alkapuri, Vadodara; View menu, reviews, customer ratings, customer photos, location, maps, contact number, phone number and more on magicpin.

<https://www.justdial.com> › ... › 94+ Listings



## Top 50 Vada Pav Centres in Vadodara

Find ✓**Vada Pav** Shop, ✓Fast Food Restaurants, ✓**Vada Pav** Machine, ... Address, Reviews, Photos, Maps for top **Vada Pav** Centres **near me** in Vadodara on Justdial.

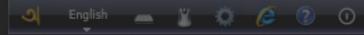
★★★★★ Rating: 4.1 · 1,768 votes

Missing: **places** | Must include: **places**

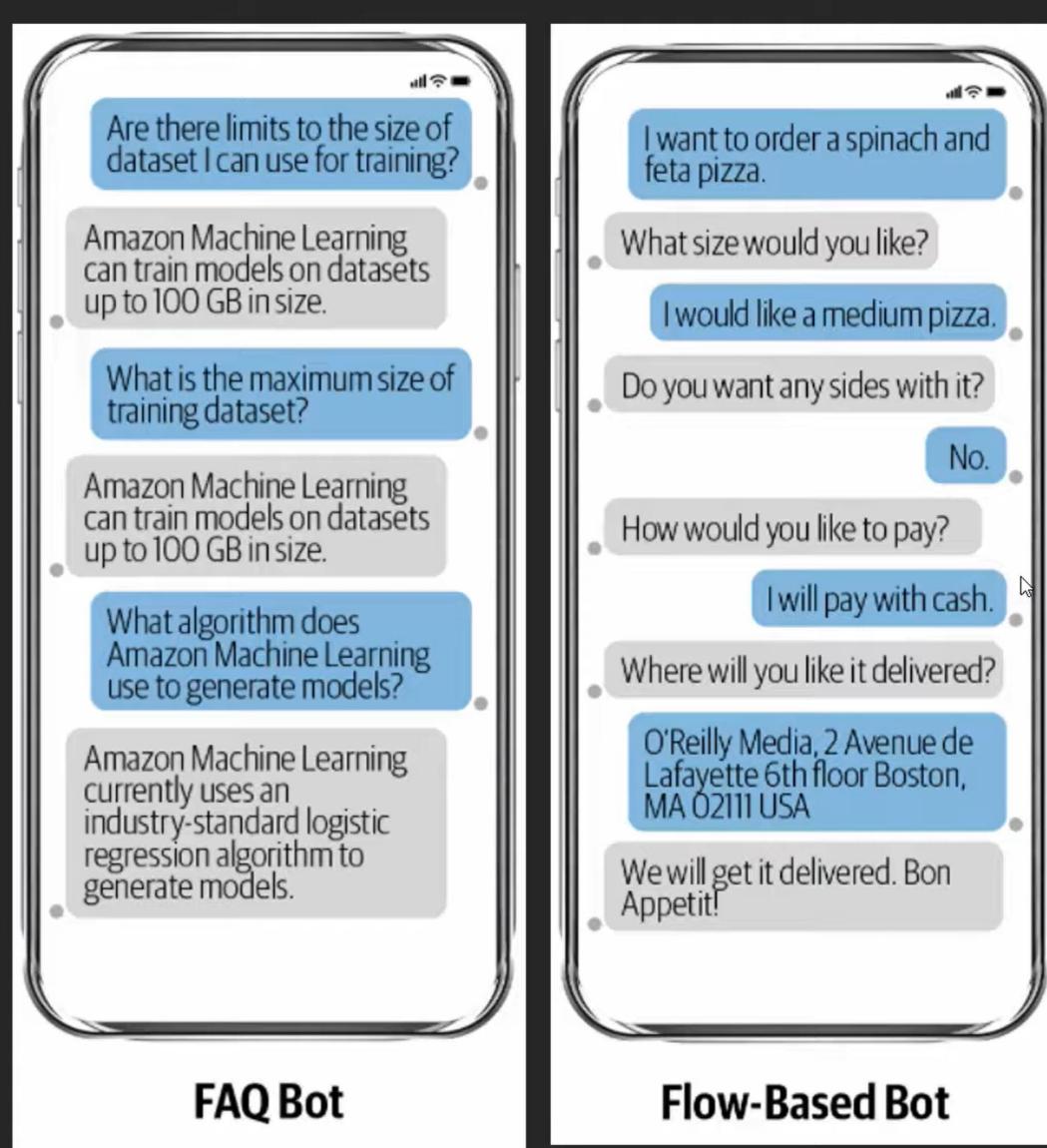


TFIDF Score

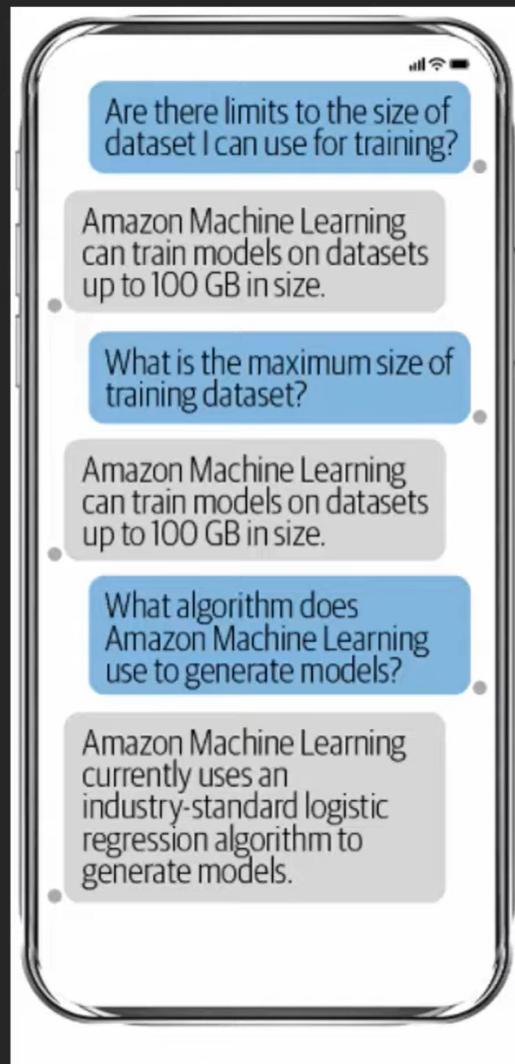
BERT



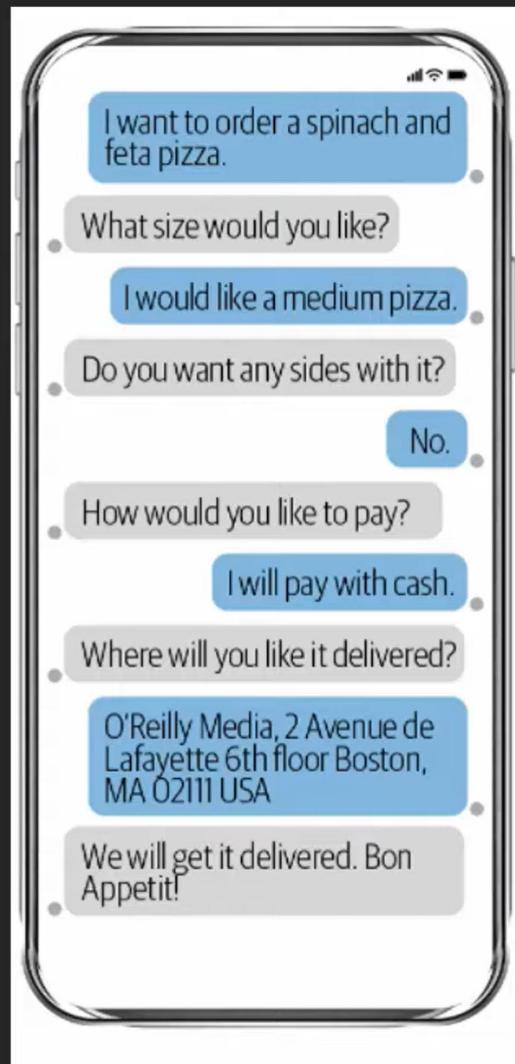
# Chat Bots



Source: Practical NLP Book



**FAQ Bot**

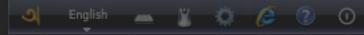


**Flow-Based Bot**

Source: Practical NLP Book



**Open-Ended Bot**



# Machine Translation

google.com/search?q=google+translate&rlz=1C1CHBF\_enUS913US913&oq=google+trans&aq=chrome.0.0i433i512j69i57j0i512j0i433i512l4j69i60.2632j0j7&sourceid=chrome&ie=UTF-8

Apps YT Studio Notion Codebasics PowerBI Course Community WhatsApp Web My LinkedIn Posts Zoho gmail Discord Other Graphics Portals

# Google

google translate

All Books News Shopping Videos More Tools

About 1,500,000,000 results (0.39 seconds)

English ▾ Hindi ▾

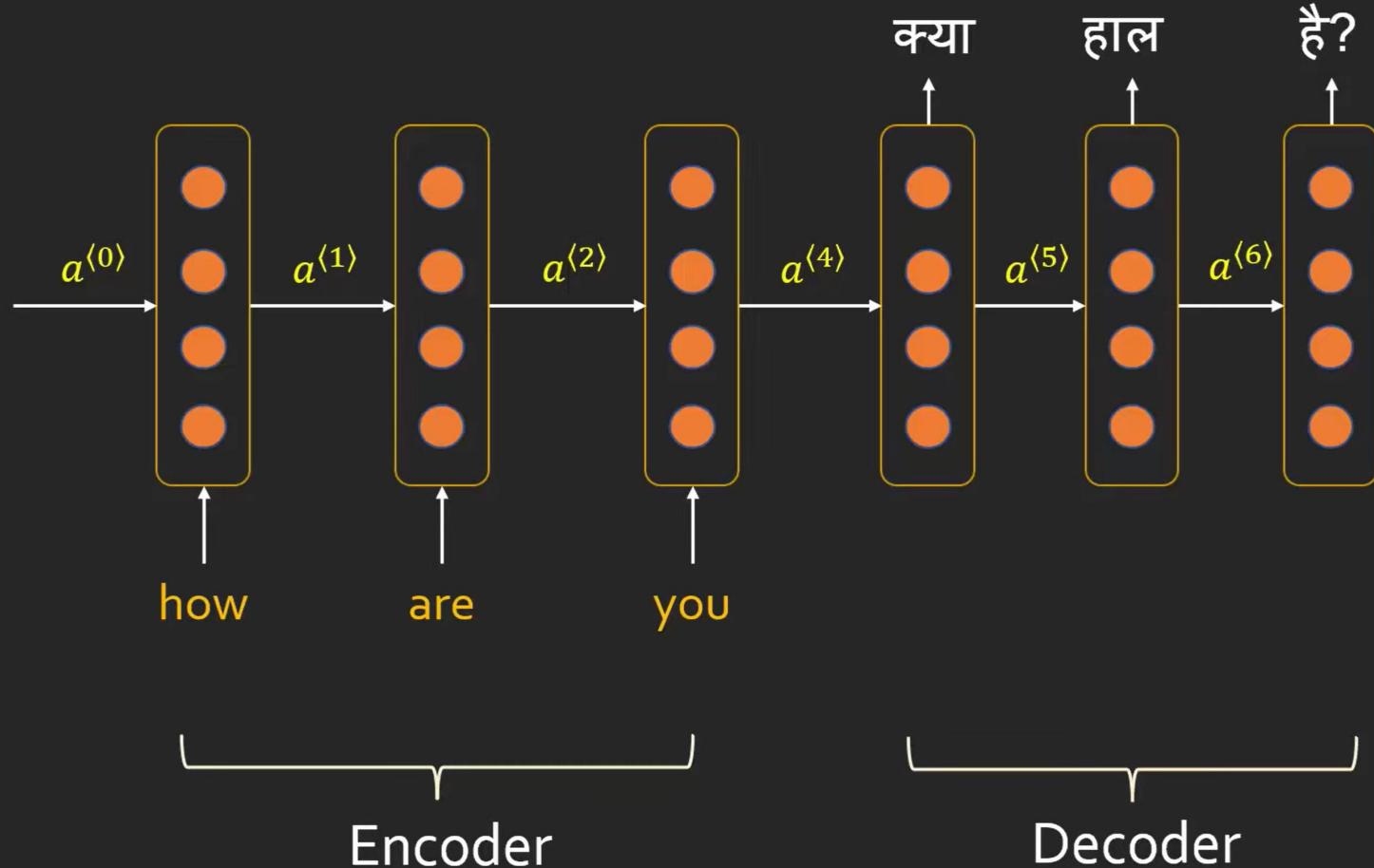
how are you कैसे हैं  
how are you kaise hain

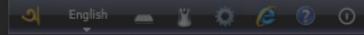
how are you  
how are you doing  
how are you doing today  
how are you doing?

🔊

Open in Google Translate • Feedback

https://translate.google.com :  
**Google Translate**  
Google's free service instantly translates words, phrases, and web pages between English and over 100 other languages.





# Language Modeling

Gmail Search mail

Compose

Inbox

Starred Snoozed Sent Scheduled Drafts Important Emails Software Keys Sponsorships Youtube Subscriptions More

Meet

New meeting Join a meeting

Hangouts

learnpythonlang 5 Invites

Rifat from Scraper API  
Interested in scraper API ?  
not interested at this time, will let you know if it changes in|the future

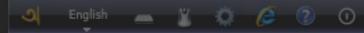
2,419 10:20 AM 9:25 AM follow up? Jan 6

12/13/20 8/27/18 8/26/18 8/26/18 8/26/18 12:47 AM

Sans Serif Send

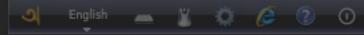
Bitcoin video requirements and update - Hello sir We have talked to our outsource reference and he is positive to create th... Jigar 3,647

CODE BASICS



# Statistical Model

# Neural Model



# Text Summarization

[Elon Musk](#) unleashed a torrent of stock sales, options exercises, tax payment sales and gifted shares last year totaling nearly \$22 billion. Yet even after unloading so much [Tesla](#) stock, he still owns a larger share of the company, thanks to his compensation package.

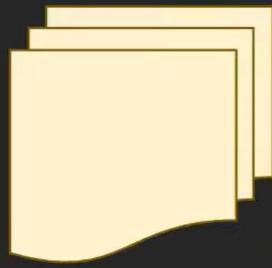
Musk sold \$16 billion in shares last year and, according to a filing with the U.S. Securities and Exchange Commission Monday, gifted 5 million shares, which are worth nearly \$6 billion, to an undisclosed charity or recipient in November. The sales and gifts bring his total to about \$22 billion — a combination of tax payments, cash in his pocket and the gift.

Yet because of the nature of the options exercises, Musk actually finished the year with a larger ownership stake — and more shares — in Tesla. In 2012, Musk was awarded options on 22.8 million shares worth about \$28 billion last fall when he started selling.

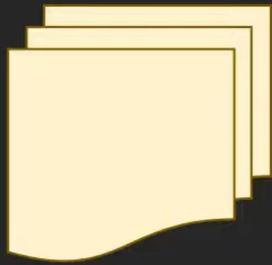


**Elon Musk unloaded \$22 billion of Tesla stock — and still owns more now than a year ago**

# Topic Modeling



# Topic Modeling

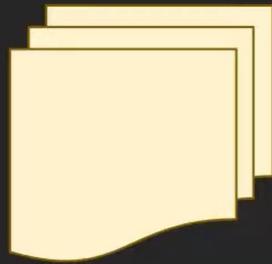


Revenue

Financial quarter

Yoy Growth

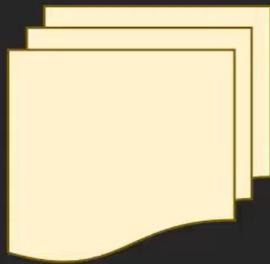
# Topic Modeling



Revenue

Financial quarter

Yoy Growth

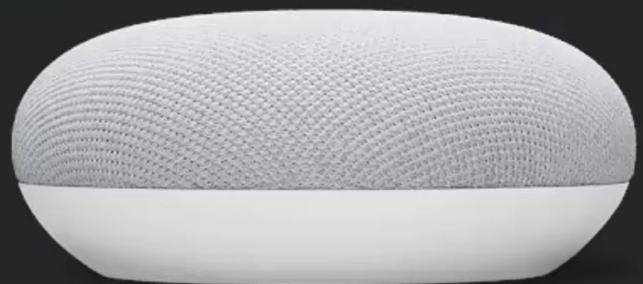


Clinical trial

drug

placebo

# Voice Assistants





Text Classification

Machine Translation

Text Similarity

Language Modeling

Information Extraction

Text Summarization

Information Retrieval

Topic Modeling

Chat Bots

Voice Assistants