



NAME: AI model that can recognise handwriting

DATE: April 22, 2024 2:26 PM

DESCRIPTION OF TECHNOLOGY
AI model that can recognise handwriting


**TICT**

IMPACT ON SOCIETY




Transcribing physical letters and documents into a digital format is a laborious task that demands meticulous attention to detail. Handwritten text, especially, requires careful interpretation and accuracy to ensure the faithful preservation of the original content.

HATEFUL AND CRIMINAL ACTORS




If the AI model is used on sensitive documents this could be leaked to the world. It also could be modified to work on camera's and thats a way to spy on people.

PRIVACY




It registers everything on the original document. A plan to exclude some parts of a document before submitting is high on the priority list.

HUMAN VALUES




It doesn't affect the users more than the original document. the only thing thats different is that it is now digital.

STAKEHOLDERS




- Intended users

DATA




There are alot of different handwritings and languages sow it is hard to make it work perfect on every aspect.

INCLUSIVITY




Because it is litterly going to 'read' and digitalise whats on the paper it can't be bias.

TRANSPARENCY




The plan is to be completely transparant about things like the creation of the AI Model and the data it was tested on.

SUSTAINABILITY



The end product is supposed to be an app so it only runs locally and uses battery power of the device it is on.




FUTURE



In the ideal world there would be an app on your phone where u can take a picture of a written document and the AI model makes a draft on your phone that you can edit and save.

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QUICKSCAN - CANVAS - HELPSAD Model that can recognise handwriting

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What is exactly the problem? Is it really a problem? Are you sure?

Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine...

HATEFUL AND CRIMINAL ACTORS


In which way can the technology be used to break the law or avoid the consequences of breaking the law?

Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder...

PRIVACY

Does the technology register personal data? If yes, what personal data?


If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like...

HUMAN VALUES

How is the identity of the (intended) users affected by the technology?

To help you answer this question think about sub questions like:


- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?...

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by...

When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.


...

DATA

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into...


There are fundamental issues with data. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;...

INCLUSIVITY


Does this technology have a built-in bias?

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases....

TRANSPARENCY


Is it explained to the users/stakeholders how the technology works and how the business model works?

- Is it easy for users to find out how the technology works?
- Can a user understand or find out why your technology behaves in a certain way?
- Are the goals explained?
- Is the idea of the technology explained?
- Is the technology company transparent about the way their...

SUSTAINABILITY

In what way is the direct and indirect energy use of this technology taken into account?

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

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