



**NAME:** Algoshow


**DATE:** December 13, 2022 2:19 PM

**DESCRIPTION OF TECHNOLOGY**  
This software recommends episodes of different tv shows based on a single textual input from the user. It then suggests the user watch the episode on their most used streaming website.




**IMPACT ON SOCIETY**


Algoshow positively impacts the society by:  
a. Reducing the search time.  
b. Introducing users to new shows which they wouldn't find otherwise.  
c. A "nice to have" experience for users who don't want to spend hours searching.

**HATEFUL AND CRIMINAL ACTORS**


Possible hateful and criminal actors for Algoshow would be:  
a. If the model predicts the sentiment of the entered text input wrongly. In order to combat this, we are focusing on building a fine-tuned classification model with high accuracy. Based on the test results, the model can be upgraded in future versions.

**PRIVACY**


Algoshow ensures privacy by:  
a. Doesn't save user data by any means.  
b. There's no account made so the application doesn't focus on individual rather on the context (text).

**HUMAN VALUES**


Algoshow promotes human values by allowing all types of users. The target group of the application are students and millennials. All cultures, individuals with different background are welcome to use this application.

**STAKEHOLDERS**


The possible stakeholders of Algoshow are:  
a. The developers (Deyna and Akshara)  
b. AI mentors (Simona and Qin)  
c. The users (students and millennials)

**DATA**


The data used by Algoshow for recommending is:  
a. Developed with specific tv shows that have high watching rate for the first version of the application.  
b. The columns are also built using the state-of-the-art models.  
c. The data is stored on a safe local server.

**INCLUSIVITY**


Algoshow doesn't filter down on its users. Its intent doesn't include or discriminate people in any way. Our dataset are diverse and have most watched tv shows with legal streaming website link.

**TRANSPARENCY**

Algoshow promotes transparency by:  
a. Documenting the development of the product  
b. Giving the code to be slightly open source for education purpose.  
c. Mentioning in the application about the usage of data. Algoshow doesn't store, sell or use user data in any possible way and follows the GDPR regulations.

**SUSTAINABILITY**




Algoshow promotes sustainability by:  
a. Reusing AI models that have been trained on large datasets in order to reduce energy and training time.  
b. Created our own custom dataset with values only needed.

**FUTURE**

The future uses of Algoshow would be:  
a. The people who want to reduce their search time and are looking for new shows by using a unique technology.  
b. In the scenario with multiple users active, I believe it would be necessary for ensuring user input and hosted server more security.

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**IMPACT ON SOCIETY**



**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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