QUICKSCAN - CANVAS

AI-Powered human following robot

NAME: AI-Powered human following robot
DATE: May 16, 2026 3:06 PM
DESCRIPTION OF TECHNOLOGY
Remotely follow a person using AI

HUMAN VALUES

This prototype does not affect the identity of any of the intended users.

TRANSPARENCY

The technology behind the whole project can be very complicated to understand for an outside user. But the main goal of the prototype on the other hand is fairly easy to grasp.

IMPACT ON SOCIETY

This project is meant to solve problems for patients in hospitals. This robot is a prototype for further development. It is meant to become an IV bag holder. This is holder is meant to follow the person around and help them through their journey in the hospital.

STAKEHOLDERS

- Patients
- Hospitals

SUSTAINABILITY

The prototype is expected to be battery-powered, the prototype also needs a stable and reliable internet connection. Improvements could be made regarding the hardware that is being used and regarding the code that is being written to make sure it uses the minimal amount of energy possible.

HATEFUL AND CRIMINAL ACTORS

This robot is going to be in direct contact with the patients, this can be a problem if a potential hacker gets a hold of this information. The robot is always following the patient, these types of information (locations at given moments in time) are highly valuable.

DATA

I take this issue into account, I know that a robot could never be as smart and powerful as a human being. The task the robot has to fulfill is better done by a human.

FUTURE

This is only the beginning, the prototype could evolve to become a highly powerful machine that can analyze and react to its surrounding environment.

PRIVACY

It will not register personal pieces of information, but it will have continuous access to the location of the person. Also in the future, the robot can be equipped with a camera, this will have a view of the environment.

INCLUSIVITY

It does not have a particular bias.

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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?…

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…

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…

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.
…

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?

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…

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;…

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?

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…

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.…

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