NAME: Cry-analyzer

DATE: July 5, 2025 11:47 PM

DESCRIPTION OF TECHNOLOGY

The cry-analyzer app analyzes a baby's cry to determine their emotions and moods using a large database of cry patterns.

HUMAN VALUES

The app could affect how parents interact with their babies, as it helps them understand their child's needs more easily. But it could also effect the natural learning process parents go through when trying to interpret their babys cries on their own.

TRANSPARENCY

Its failry straight forward to understand. It records a baby's cry and uses data to interpret the emotion or need, helping parents understand what their baby's needs or wants. The app has a free trial period, but it is not clear how much the app costs or how long the trail period is, Maybe its subscribtion based.

IMPACT ON SOCIETY

The app is trying to solve the problem that many parents have, not knowing why their baby is crying. It's stressful when babies cant communicate what they need, and this app steps in to help. It records the cry and uses data from thousands of other cries to tell parents whether the baby is hungry, tired, or uncomfortable.

STAKEHOLDERS

- Parents
- Caregivers
- Health organizations
- Baby
- Baby-centered companies

SUSTAINABILITY

The app doesn't demand a lt of energy as it only requires short adios and quick data processing to analyze the baby's cry. Its a light weight app

HATEFUL AND CRIMINAL ACTORS

The app could raise privacy concerns. As it records audio, there could be risks if the recordings are misused or shared without consent. If the app records sensitive background conversations or sounds. Also if personal data collected through the app were hacked or mishandled, it could lead to privacy breaches. It ould cause issues if this data is sold to bad actors/companies

DATA

Crying is complex, and the app may not always interpret it correctly because things like background noise or the baby's health can change the results. The data it uses might not cover every situation, and just because it notices a pattern, that doesn't always mean it truly understands why the baby is crying.

FUTURE

It could change how parents understand their babies. It might make using technology to interpret cries a new norm, which could shift the cultural attitudes around parenting. Communities could become more tech-dependent, and the app might become an essential tool for new parents, changing habits around caregiving and how parents communicate with their baby's.

PRIVACY

The app does collect data, if this includes personal information, as in names, adresses, ages is not quite clear. Even if it doesn't gather traditional personal data like names or addresses, the collection of audio could still be considered sensitive.

INCLUSIVITY

The app might have some built-in bias depending on how the data was collected. If most of the cries were from babies of certain backgrounds or cultures, the app might not work as well for others. Personal beliefs about parenting from the creators could also effect how the app was designed.

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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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