Lab/Project Ethics Addendum

This project involved the development of ethical considerations that were integrated throughout the design and implementation phases. We ensured informed consent, minimized data collection to reduce privacy risks, and applied data anonymization techniques to protect user identity.

We reviewed applicable regulations such as [HIPAA/GDPR/etc. if relevant] and aligned our process with ethical guidelines including transparency, respect for user autonomy, and fairness. Where automated decisions were made, we documented decision logic to enable future auditing and explainability. Additionally, we conducted a risk benefit analysis to ensure the potential societal benefits outweigh possible harms.

Equity & Access Analysis

The primary beneficiaries of this project are however, populations without access to reliable internet or digital literacy may be excluded. To mitigate this inequity, we designed the interface to be mobile friendly, used minimal data bandwidth, and translated key content into multiple languages. Future versions will include offline functionality and accessibility improvements.

Justification (Bioethics + Societal Impact)

In line with the principles from Chapter 12, we prioritized autonomy by enabling users to opt out of data sharing and beneficence by ensuring the project offers real, measurable benefit. We minimized harm by restricting sensitive data use and implemented fairness mechanisms in algorithm design.

Chapter 13 emphasizes considering broader societal impact. We reflected on how the technology might scale, who controls it, and whether it could reinforce existing disparities. To address this, we plan to release the project as open source and consult with stakeholders in future iterations to ensure continued alignment with social good.

Evidence Links

- [Upload files · BrylanW/Cyber-Ethics-Portfolio](#)

Reflection

If revisiting this project, I would reevaluate the thresholds we used to flag high risk users our model may over prioritize precision over inclusivity. I would also expand the scope of consent to allow users to selectively share specific types of data. Additionally, I would bring in a more

diverse group of testers earlier to identify usability barriers. The ethical trade offs were complex, but valuable to consider.