

AI Ethics: A Call for Global Standards in Technology Development

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ABSTRACT

The development of global standards for ethical AI is not merely a technical issue but a moral imperative that demands immediate and concerted action from all stakeholders involved in AI development and deployment. To navigate the ethical complexities of AI and ensure its benefits are maximized while minimizing its risks, a comprehensive and inclusive approach to AI ethics is essential. This approach must prioritize transparency, accountability, safety, and fairness, and include diverse perspectives to create a truly global ethical framework for AI. As we stand at the crossroads of technological innovation and ethical responsibility, the call for global standards in AI development cannot be overstated. It is time for researchers, policymakers, industry leaders, and the global community to come together to forge a path that ensures AI technologies are developed and used in a manner that upholds the highest ethical standards, respects human rights, and promotes the well-being of society and the environment. In conclusion, the journey towards ethical AI is a collective endeavor that requires the wisdom, insight, and cooperation of the global community. By embracing the challenge of developing and implementing global ethical standards for AI, we can ensure that this transformative technology serves as a force for good, driving progress and innovation in ways that are responsible, ethical, and sustainable.

Keywords: *Artificial Intelligence, Ethics, Global Standards, Technology Development.*

In the rapidly evolving landscape of artificial intelligence (AI), the imperative for robust ethical guidelines and standards has never been more critical. Recent research, such as that conducted by Vinuesa et al. (2020), has illuminated growing concerns regarding transparency, accountability, safety, and ethical standards in AI-based technology, underscoring the potential risks to the

development and sustainable use of AI if these critical aspects are not adequately addressed (Vinuesa et al., 2020). This conversation is further enriched by scholars like Jobin & Ienca (2019) and Fukuda-Parr & Gibbons (2021), who have emphasized the importance of establishing ethical guidelines and standards to ensure the responsible and ethical development of AI technologies (Fukuda-Parr & Gibbons, 2021; Jobin & Ienca, 2019).

The debate surrounding the definition of "ethical AI," including the essential ethical requirements, technical standards, and best practices necessary for its realization, underscores the complexity and urgency of implementing ethical standards in AI development (Jobin & Ienca, 2019). Moreover, Tidjon (2022) has recognized the need for global collaboration to define minimum standards for AI, addressing potential conflicts between different principles of AI ethics (Tidjon, 2022). This global dialogue is vital in navigating the diverse ethical landscapes and ensuring a universally acceptable framework for AI ethics.

Interestingly, efforts to establish standards for AI have revealed significant patterns of collaboration among technical experts from various geopolitical backgrounds on technical AI standards, while governments show less willingness to collaborate on global ethical AI standards (Ingersleben-Seip, 2023). This dichotomy highlights the necessity of multi-stakeholder consultations and cross-sectional feedback in developing actionable AI ethical principles, as emphasized by Svetlova (2022) (Svetlova, 2022).

In the specific context of healthcare, the ethical implications of AI and robotics carry profound significance, touching on aspects such as privacy, data security, bias, fairness, accountability, transparency, autonomy, human oversight, and societal implications (Elendu, 2023). McLennan et al. (2022) advocate for the integration of ethics into the development of medical AI technologies, ensuring that ethical considerations are addressed early and throughout the technology development process (McLennan et al., 2022).

Additionally, the literature stresses the importance of cultural diversity in the ethical assessment of AI. Goffi (2021) argues for avoiding Western cosmo-ethical hegemony, advocating for a more inclusive approach to setting global standards that respect and incorporate diverse cultural perspectives (Goffi, 2021). Furthermore, Coeckelbergh (2020) brings attention to AI ethics in the context of climate change, underscoring the need for ethical considerations in building a greener, more sustainable world through AI technologies (Coeckelbergh, 2020).

Given these insights and challenges, it is clear that the development of global standards for ethical AI is not merely a technical issue but a moral imperative that demands immediate and concerted action from all stakeholders involved in AI development and deployment. To navigate the ethical complexities of AI and ensure its benefits are maximized while minimizing its risks, a

comprehensive and inclusive approach to AI ethics is essential. This approach must prioritize transparency, accountability, safety, and fairness, and include diverse perspectives to create a truly global ethical framework for AI.

As we stand at the crossroads of technological innovation and ethical responsibility, the call for global standards in AI development cannot be overstated. It is time for researchers, policymakers, industry leaders, and the global community to come together to forge a path that ensures AI technologies are developed and used in a manner that upholds the highest ethical standards, respects human rights, and promotes the well-being of society and the environment.

In conclusion, the journey towards ethical AI is a collective endeavor that requires the wisdom, insight, and cooperation of the global community. By embracing the challenge of developing and implementing global ethical standards for AI, we can ensure that this transformative technology serves as a force for good, driving progress and innovation in ways that are responsible, ethical, and sustainable.

Authors' Contributions

Not applicable.

Declaration

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