

Ethical Principles of Trustworthy Artificial Intelligence in The European Union

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Abstract

Advanced AI models like ChatGPT and GPT4 have rekindled debates about AI technology's moral and legal implications. Because of their almost human capabilities, these models raise questions of misuse, responsibility, and authenticity. When developing and implementing AI, transparency, justice, and accountability must be prioritized in ethical considerations, and regulatory frameworks must be quickly implemented to control AI deployment effectively. Data protection, algorithmic transparency, bias reduction, and safety requirements should all be covered under these guidelines. Policymakers, industry stakeholders, and ethicists must work together to create flexible regulatory frameworks that balance innovation and society's welfare. It takes constant observation and adjustment to deal with new issues in artificial intelligence. Stakeholders can leverage the transformative potential of AI while protecting against its negative consequences and creating a more fair and sustainable future by promoting ethical AI practices and enacting solid laws.

The Ethics Guidelines for Trustworthy AI, adopted in 2019, establish four ethical imperatives that form the basis of trustworthy AI in Europe: human autonomy, damage protection, fairness, and explicability. These standards emphasize the importance of privacy, accountability, transparency, and the promotion of societal and environmental well-being. They also emphasize non-discrimination.

For people and societies to efficiently create, implement, and use AI systems, trustworthy AI is a holistic strategy. It also covers various individuals and processes involved in the AI life cycle, going beyond the system itself. This calls for a comprehensive and systemic examination of the foundational elements and prerequisites necessary to cultivate trust among AI users.

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