Ethical Challenges
posed by AI

by

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Ethical Challenges posed by AI

1. **Questioning the very definition of what it means to be human**

2. **Information Accessible to AI**
$$\neq$$
Information Accessible Humans

3. **Phenomenal Consciousness**

4. **Algorithmic Bias and Discriminatory Outcomes**

5. **The Pursuit of Efficiency**

6. **AI is Still a Work in Progress**

7. **The Impossibility of Ethical Programming**

8. **Non-Legal Responsibility**

9. **The Impossible Understanding of Machines**

10. **Dependency on AI and the Erosion of Human Skills**

11. **The Knowledge and History Loop**

12. **Manipulation and Disinformation**

13. **Privacy and Data Security**

14. **Cyber security**

15. **The Eternal Technological Dilemma**

16. **How Much Regulation?**

Ethical Challenges posed by AI

1. Questioning the very
Definition of What it Means to be Human

Humanity is intelligence endowed with a moral sense

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2. The Difference Between the Information Accessible to AI and Humans

five human senses ≠ a world in binary language

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3. The Metaphysical Debate Behind AI:
Phenomenal Consciousness

Empathy at the conquest of the Turing test

Computing at the conquest of the organic

4. Algorithmic Bias and Discriminatory Outcomes

Garbage in, garbage out

5. The Pursuit of Efficiency

Paperclip maximiser

Ethical Challenges posed by AI

6. AI is Still a Work in Progress :
Immature and Evolving Out of Control

Loose cannon on deck?

7. The Impossibility of Ethical Programming

Theoretical ethics is the science of practical ethics

Practical ethics is not a science

Ethical Challenges posed by AI

8. The Problem of Non-Legal Responsibility

The precautionary principle
The guilty conscience

9. The impossible understanding of the machine

Black box ou XAI ?

10. Dependency on AI
and
Erosion of human skills

The choice between error and fault

11. Creating a Knowledge and History Loop

Author of all truths

Ethical Challenges posed by AI

12. The dangers of Manipulation and Disinformation

Destroyer of all truths

13. Privacy and Data Security

Dictators' ally

14. Cybersecurity

Non-proliferation policy?

15. The Eternal Technological Dilemma

Everything always depends on the use

16. How much regulation ?

The golden mean or legal moderation

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Thank you