

# ARTIFICIAL INTELLIGENCE: PROMISES AND PERILS

## Outline

### 1. Introduction:

a) Hook

b) Thesis statement:

Artificial intelligence is a double-edged sword, offering promises in every aspect of life, juxtaposed against the existential perils if proliferated and used irresponsibly.

### 2. Promises of Artificial Intelligence:

a) Efficiency and enhanced productivity

i) Reduces human efforts

ii) Enhanced productivity in sectors like manufacturing and agriculture

b) Transformation in Education

i) Adaptive learning experience

ii) Inclusive and accessible education



### c) Advancement in Healthcare

- i) Early diagnosis of medical symptoms
- ii) Facilitates drug rehabilitation and personalized healthcare
- iii) Precision in robotic surgeries

### d) Improvement in Governance

- i) Efficiency in public service delivery
- ii) Data-driven policy making
- iii) Accountability and transparency

### e) Environmental sustainability

- i) Resources management in agriculture, energy, and urban planning
- ii) Analysis and predictions of climate change hazards.

### 3. Perils of Artificial Intelligence:

#### a) Loss of democratic values

- i) Controlled perception through tailored data
- ii) Shift towards authoritarianism

#### b) Security threats

- i) Risk of autonomous response
- ii) Unpredictability of control over own weapons.



c) Concentration of power

i) Domination of few corporations and governments.

ii) Widening of gap between developed and developing countries.

iii) Loss of jobs in conventional fields.

d) Environmental impacts

i) Training AI models emits enormous amount of CO<sub>2</sub>.

ii) Cooling system of AI models require excessive power.

e) Existential Risk

i) Could surpass human control

ii) Possess tendency to regenerate itself.

4. Conclusion:



In his famous poem, *The Sorcerer's Apprentice*, Goethe presents a tale of a young apprentice, who was assigned some tasks by the old sorcerer. To make the chores easier for him, the apprentice spelled a broom to fetch some water. The broom kept on fetching water and flooded the workshop. Unable to stop the broom, he breaks the broom into two parts, only to see that each part becomes a broom, worsening the situation. The old sorcerer returns and stops the spell, teaching the apprentice a valuable lesson to not summon things you don't fully understand.

This tale serves as the mirroring analogy for the rise of artificial intelligence. Like the broom it has unparalleled efficiency but is also vulnerable to misuse as the action of apprentice revealed. Indeed, Artificial intelligence is a double-edged sword, offering promises in every aspect of life, juxtaposed against



the existential perils if proliferated  
and used irresponsibly. This emphasizes  
the need for humanity to approach  
this innovation with responsibility  
and foresight to avoid any  
unintended consequences.