Artific	cial Intelligence: opportunities and chattenges
	Outline
1	Introduction
- 1	
	Pace of progress; GPT-1 versus GPT-4
3.	Al's transformative impact:
	a. Data processing and efficiency
	b. customising user experience
Add few more a the opportunities	guments depicting sprovided by Al C. Contributions to healthcare
.1	d. Application in the developing world
4.	
	a. Possible extinction of the human race
	b. Discourse sorrounding technology; singularity
	and the industrial revolution
	c. Hyper-evolutionary nature
	d. Information monopoly
	e. Dual-use: civilian and military applications
	f. Proliferation risks
5.	Present policy framework for AI-governance
6.	Redefing Global governance:
	a. Establishing universal principles
and the second s	b. Three regime model to regulate AI
	c. Bilateral cooperation and middleware
	Conclusion

It's 2035, and Artificial Intelligence is everywhere. Al systems run hospitals, operate airlines and battle each other in the court room Productivity has spiked to unprecedented levels, and previously unimaginable businesses have scaled at blistering speed. New products cures and innovations kick the market daily, as science and technology kick into overdrive However, this apparent utopia is merely a facade. Society has become increasingly dystopian. Terrorists find new ways to menace people with evolving upberneapons. white collar people lose their jobs en masse. Just a year ago, this scenario would have seemed purely fictional; today, it seems nearly inevitable. At represents a technological upheaval with the potential to completely metamorphose the human society. It is governments largely being viewed by 1. non-state actions and international organisations as an area of strategic importance, economic competition and risk management. while Al development is concentrated

to a handful of corporations, it's long term consequences will be global. currently, the technology is only lightly regulated. Negotiating gløbal rules and norms is sin qua non to harness Al's benifits while limiting it's negative implications. Open Al launched it is first language model, known as GPT-1, in 2018. Eversince, the pace of progress of Al has been staggering. "Moore's law" prédicted the doubling of computing power every two years, but the current developments make this estimation seem quaint. For instance, GPT-1 had 117 million parameters - a measure of the system's scale and complexity. Five years later, the company's fourth generational model GPT-4 is thought to have over a trillion. Moreover, "Brain scale" models with over alaytopana at demonstrate in

Achie	100 trillion parameters will be viab	Le
TATEL	within five years. Al has begun	
Solices	it's journey to vival with the	•
	number of synapses in the human	
	brain:	
	pract.	
}	AI's unparalleled ability to process	
	gargantan amounts of data can be	
	effectively analgamated with human	
. ,	potential to transform human life.	
X CV A	It has revolutionized the efficiency of	
	various sectors. Automation facilitate	d
	by Al technologies has steamlined	
	production processes. For instance, Tesla	15
	production processes. All - driven bots	
1.	Gigafactory employs A1-driven bots	4
	and produces one car every 40 second	
	Al has enabled it to lead the market	
	in terms of lowest production time	
	and reduction in error.	
	furtnermore, Al has played pivotal role	
	in advancing personalized user experien	nce.
F-11		

In the realm of online services, recommendation systems leverage Al algorithms to analyze user preferences and behaviour. Streaming platforms like Netflix and spotify avaite content suggestions that align with individual tastes. This results in enhanced user satisfaction and engagement. extended attimated bestimment in the house Al is also making remarkable contributions to nearthcare. It's capability to analyze medical images and patterns has enhanced diagnostic accoracy. For instance, a study published in "Nature Medicine 2020" revealed that an Al system could detect breast cancer in mammographs with a success rate comparable to radiologists. It possesses immense potential to aid in early detection and treatment. The benifits of re not limited world. It's promises are the developed

The discourse sorrounding Al is dominated by two prevailing fears. One pertains to the concept of singularity, a hypothetical scenario where Al surpasses human intelligence. The other fear revolves around a foresceable industrial revolution where machines will replace

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that a handful of technology giants	J
that a handful of the month	. ts"
will become « information ribridge	
and enforce ideologies of their choice	
and enforce lactures	NC
Contemporarily, these corporations ha	
enacted et filter bubbles? which use	•
- Al le re-enforce pre-existing belie	15
HI WE CHIPOTE DE CAUSANT L'EST	
of users. consequently, blatant bias	
is exhibited against certain groups	
openly on online platforms.	
1123 THE PRINCIPLY - PAINTERS IN THE STATE OF THE STATE O	
Al alla differe Long alder Laclora alocció	
- Al also differs from older technologie	
due to it's "dual use" characteristic	5.
- It can be utilized for civilian and	
- military applications alike. The san	ne
systems that drive cars can drive	
tanks. An Al application built to	
diagnose diseases might be able	
Le create - and weaponize - a new	one.
An interesting case in point is the	
"carnegie Mellon University experimen	27
in April 2023, where an Al system	II .

	The stand of the standard of t	
	has been effectively halted while Al	
	has been effectively	
100	has clearly overstepped its bounds.	
	A recipion of the politic anniver	
1114	The list of Al's threats and dangers	
Q V	is inexhaustible. At could be used	
- Summin	to generate and spread Toxic misinfor	nation
	exoding social trust and democracy.	
	It can surveil, subdue and manip	uate!
- CONTEN	citizens, underning individual and	
910	collective freedom. It can not only	
	worsen existing inequalities but all	
	create new ones by destroying	· · ·
	millions of jobs. Moreover, it can entre	nch
	discriminatory patterns and propoga	
	hateful ideologies that marian work	
- 300		
	is the inadequacy of traditional	-
-	governance models to address the	
_	multifarious perils of AI	
- ~	ntering many atididays can teamston margin	
T. T. T.	Recently, policymakers around the	
	with profitation regulated in the still again	-

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	CYVIT TO	globe have begun to critically analyse	
		the myriad of challenges that Alps	ses
		In May 2023, the G-7 launched the	
		"Hiroshima Al process", a forum	
37.21.47.67	17	devoted to narmonise Al governan	ce.
	X (3		
	1.5	In June, the European parliament	
	191	passed a draft of "EU's AI act" lo	1.1 19
		erect safeguards around the sindustry.	
	1 01	Nevertheless, the governance discourse	
		remains limited. The existing tramew	orks
		do not align with AI's distinct nat	ure,
		necessitating the design of a new gover	nance
		model. Traditional sovereignty concepts	
		must adapt to modern, technological	
		paradigne	
4		annot navirb-IA home trover	
		Establishing basic and universal prince	ples
		for A1- Governance is crucial. The	
		frameworks should be inclusive,	
		orecautionary agile, impermeable and	
		targeted. These principles should form	· · · · · · · · · · · · · · · · · · ·
	7		
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	the foundation of creating three overl	apping
2924	governance regimes.	
	Jan Bremmer and Mustata Buleyman	1
. 9.	in their article et The Al Power Para	tox"
The second secon	suggest the establishment of three regin	
	to regulate AI. The first regime for	
	on objective fact-finding, akin Co	
. 1	the intergovernmental panel on clin	
	change. The second aims to preven	<u>+</u>
900	tensions and uncontrolled Al race	
37700	among major powers like the Unite	d
	States and china. The third regime	
	responds to dangerous Al disruption	vs
	and maintains geo-political stabili	THE RESIDENCE OF THE PARTY OF T
	amid rapid AI-driven change.	
A.5) (r	crima disersive since sure since environmental distant	
	Managing open-source Al and global	
	anti-proliferation require bilateral	
	cooperation between major Al player	
	like the us and china, as well as	