

Tuesday

5th Jan

The Rise of AI: Redefining Human Identity

A. Introduction

B. Artificial Intelligence is reimagining Homo Sapiens as:

(i) It changes the way education is imparted and received.

a) Case in point: Use of generative AI in devising curriculum; Punjab AI curriculum

b) Students centered learning

(ii) It changes human cognitive ability usage.

a) Use of chatbots for simple searches and opinions formation.

(iii) It shifts the way job markets are structured.

a) Case study: An estimative loss of 400 Million jobs and a creation of 80+ Million jobs by 2030.

(iv) It defines how money is spent.

a) Seeding of Ads to manufacture public opinion and spending.

(v) It uses algorithms to fabricate

human opinion.

a) Platforms like Youtube, Instagram are designed to steer humans.

(vi) It revolutionizes how scientific research is conducted and utilized.

a) Case study: Drug development time of 10+ years is significantly reduced.

b) Human centered research is utilized.

(vii) It effects how security is defined

a) The use of data to feed AI learning violates human privacy and consent.

b) Internationally AI is starting to get the rights of lethal weapons.

(viii) It influences the way we elect our representatives.

a) Manufacturing public narratives about certain individual using algorithms.

(ix) It further consolidates class divisions among society.

a) In a neo marxist fashion two classes emerge: Technological elites and cognitively impaired masses.

(X) It worsens the Global south's plight.

a) Use of Global south as data extraction base without imparting benefits.

C. Ways to ensure the survival of human Identity crisis amongst the AI bubble.

(i) Using legal Justice systems and liberal organizations to define AI laws.

a) Privacy and consent frameworks

(ii) Addressing the change in concept of Human Development Index.

a) Developing training centers, accessibility and cognition of AI.

(iii) Upholding Ethical and Moral values.

a) Appealing to Global Norm and constructivism.

(iv) Viewing public as "humans" and not mere data points.

D. Conclusion.

Human's risk becoming
'hackable animals' - Predictable,
steerable and manipulable.
via data points.

(Yuval Noah Harari)

The advent and boom of Artificial Intelligence has reshaped human identities. Some of these changes are increasingly positive while others form dark clouds for humans. Humans developed machines so they could delegate strenuous tasks to them and have more time to think, create and play. Then the same people became fascinated with the idea, what if machines could think? A sentient being having the ability to replicate the wonders of human minds became the new passion for scientists. From Alan Turing (1940s) writing codes for a computer that could play chess to a 1990s computer beating the then Grandmaster, AI came a long way. AI has changed the way humans used to behave in every

sense of the word. Humans think, perform, entertain, decide, and like what AI delivers to them via chatbots, automative robots, algorithms, and generative softwares.

Humans used to rely on their intellectual capabilities to perform everyday tasks like reading, writing, playing, working, deciding what to cook, what to do and how to go about their day. Some of these tasks proved tedious wasting hours of our precious time. While other tasks honed our abilities to function and survive in this overly complex human world. Artificial Intelligence quietly seeped into an average person's life and changed it. The change is positive or negative, that is debatable.

One of the very first or primitive changes could be assessed in the way learning has changed. Education institutions around the world are using AI to augment the learning process. This ensures that

the curriculum includes every possible angle to help the students. Punjab government utilized AI to develop the new syllabus from montessori level upto FSc. This change is accompanied by integration of AI in schools and colleges to help benefit each and every student. The use of AI in this manner ensures that each individual gets a personalized help to hone their academic skills. A Teacher can not simply understand and alter their teaching approach to cater all 50 of pupils. AI can however adapt to accomodate a child's need. Students with learning difficulties whether it be neuro-divergence or disability of a physical nature can better understand and learn the contents of syllabus.

AI helps disabled students become a valuable addition to the world. This changes how society thinks about disabilities and how the differently abled person thinks about themselves. Text to speech functions,

to assist ~~hearing~~^{sight} impaired students while speech to text understanding helps them write back. In a nutshell, technological advancement works by levelling the playing field for all of the students when it comes to learning.

Technology inserts itself in from human learning to their thought process. There is a rise in use of generative AI to search for simplest of queries. According to research 75% of youth uses some kind of generative AI (Claude AI, Open AI, ChatGPT) even for basic questions like how many hours should we sleep. This delegation of human observation to come up with answers for all sort of life problems to AI creates a society which can not think for itself. A society that can not think for itself becomes victim to someone else's opinion. The question arises if one cannot simply navigate their daily life tasks then who steps in? Big companies, Governing

elites step in and think for them.

When ^{authority} algorithms shift from human intuition to data-driven systems, freedom becomes algorithmically designed.

(21 lessons for 21st century)

Artificial Intelligence destroys more jobs than it creates. This shapes how humans view job markets. An estimate of 400 million job displacements will occur by 2030 due to the boom of AI. The thing about automation is it's faster, cheaper and rarely makes mistakes. Humans on the other hand comprehend data points slowly, they need daily pay and get tired and make mistakes. A machine can work 24/7 without getting tired and demanding to be compensated. So it makes sense for profit driven businesses to lay-off employees. Writers, animators, video editors, data analysts, researchers, entry level positions even cashiers are being laid off to place

a camera hooked up with facial recognition and security alerts. AI does however create jobs e.g. Machine Learning engineers, data scientist, generative AI Engineers, Business Intelligence Developers, and AIOPS Developers. This will demand a change of careers and skillsets. This changes how people look for jobs and what careers they adopt.

The Job market is not the only market that shuffled due to AI. Markets care about how people shop and what they shop. There was a time adverts in magazines and billboards would cost a lot of money and generate sporadic sales pattern. The changing world view now changes the way Enterprises market and ~~produce~~^{manufacture} products. Companies pay huge swathes of cash to seed their product lineup in every person's hand; mobile phones. Social media works by analyzing the pause someone made at a certain post,

it captures the conversation they just had and ads start popping in the feed. The Algorithm is designed to test your resolve. Make you click on what it knows you will definitely like. Thinking of a new watch and telling your friend about it, will result in your social feeds laden with Ads from the costly to the cheap watches. This whole process results in sure sales for businesses. Whom in return invest more in shaping what you want to buy.

Platforms like Youtube, Netflix, Instagram shape public opinions in a way no other system could have done before. Noam Chomsky's book manufacturing consent dives deep into how media serves as a tool for the governing elites. In a similar but a more refined manner technological advancement has made sure that all of humanity could be governed to change their opinions. From individual's use of media to spread their view points

to elites spending massive amounts to ensure that the right reel reaches the right person. The worldwide rise of populist leaders and nationalism as opposed to liberal tendencies is not a coincidence. It is all in your palm, while none of it serves your purpose.

This leads to the revolutionizing technology to better serve human needs. Scientists struggled with huge datasets, economists needed to compute large numbers, and engineers needed to memorize huge codes. Now these tasks could largely be accomplished using AI to work out the tedious parts. For example drug manufacturing development required more than 10 years of extensive research and billions of dollars but now there are software for protein identification, bio molecule finding, simulations and hypothesis testing which lessens this time by 20-30% while also decreasing human error and saving

human lives.

Humans are beings that prioritize their security. Traditionally security needs meant that to stop theft, murder, or harm to what one owned. In the 21st century security is a complex concept.

As the human race evolved, intellectual freedom and identity became more important.

Artificial Intelligence requires lots of machine learning. There are LLMs and SLMs which require human data and responses to fine tune their responses. When AI has become a race of which country advances it more, human consent and privacy gets lost in the fine print. No one remembers signing a document allowing AI to use their identity, their search history, their chat, their voice to better itself. Internet and social media companies sell private information to Tech giants. Google AI has the best performance in the market and the reasoning becomes vivid when the

mail, search engine, meeting platform, calendar, photos software, drive, maps application generally used around the world belongs to Google. Human security is in danger when huge companies like these escape accountability.

Zohran Mamdani, newly sworn mayor of New York led an year long campaign using social media. Mamdani utilized the algorithm to his advantage and crafted an image for himself. He made simple promises and consistently weaved himself into the fabric of American dream.

He utilized his multiple identities to tap into the fact that anyone can achieve success in America and prosper. He interacted with different communities joined parades, marches and humanitarian debates of all kinds. He appeared alongside New York's influencers. Anyone with even a 1% political inclination got his campaign in their feeds no matter where they belonged to. His run for the

office unlocked political debates around the world. It was clear as day that he would win the elections despite American environment being hostile for immigrants. He won and started a chain of other people doing the same. Hence AI transformed the way we view elections and our representatives.

Changing the way we participate in politics is not where this transformation of humanity stops. The Marxists view of two classes further strengthens with the advent of AI. Only ~~two~~ classes shift from Bourgeoisie and Proletariats to technological oligarchs and AI cognition impaired masses. The have and have nots debate of future is discussed in terms of AI comprehensive abilities. The decision of public to utilize AI to their advantage or become a pawn in the hands of elites is their own. But the biggest problem is that the public will be too numb to form a change of opinion regarding any such

matters. Having the knowledge and skills to not only interpret AI but know its limits and purposes decide which class someone will belong to in the future.

Every elite in the world is governed by another country's elite. The debate is how much will AI mess with the identities of those who belong to the Global South. Global South once colonized and plundered in the search of raw materials now serve as a form of cheap labour that monitors the AI laden cameras in self sustaining supermarkets. The second main use of Global Southern human is to mine for raw information to feed the evergrowing AIs. As technological laws and privacy acts in the Global North are heavily regulated this is their way of utilizing the South that struggles to form such laws. ~~The~~ According to Raul Prebisch the elite of Global South consolidates and enforces the missions of the elite of global North.

The future of human identity is not so dark but if the systems remain similar it will be destined to doom. There is a need to address the changing world via transforming governance, legal systems, human development indices and general systems. Geoffrey Hinton, the God-father of AI, left Google to raise his voice against the unchecked advance of this system.

AI ethical and moral systems are identified and formed to work together to ensure that the future under AI remains positive.

Humans have worked together to solve problems and enter contracts to make the world a fairer place. This legal system should be applied to Artificial Intelligence. To ensure the safety of human identity and security government should focus on formulating laws. Machines are difficult to put on a accountability mantle but companies can be. There is a need for

laws against deep fakes, disinformation, fabrication of details and human data.

Underdeveloped countries need to rise up and formulate their own AI technologies because adopting foreign technology comes with a price tag of adapting their laws; jeopardizing sovereignty concerns. International organizations need to establish their own AI frameworks against use of AI in dangerous weapons.

Furthermore, in keeping the changing world in mind AI literacy needs to be added to Human Development Index. Educating public and training them to use AI will result in developing a country. Introduction of AI in school levels is a good step. A better step however would be ensuring the imparting of AI ethics alongside this training. Any state that wants to be developed in the future needs to work on their cognition of AI.

This also means the amelioration of ethical and moral woes of AI. It is now

imperative to have moral-ethics philosophers to not only view AI as a tool that is shaping human history faster as ever but to develop discourses on how to integrate it in human life without disturbing the essence of human personality. Even now 60% of global population view AI with distrust with majority in the Global South. This will only result in their exclusion for global future discussions.

Finally the key issue with AI's interaction with humans is that it views them as mere data. When integrated with the idea of enhancing quality of life, AI becomes one of the best inventions of the world. It increases efficiency, decreases workload, minimizes error takes into account a personalized approach. As always the problem arises when it becomes a race; as was the nuclear race or space race. It undermines the fragility and beauty of human life while working to serve the egos of the leaders of the world. The world steps out

from 'peaceful cooperation' to 'Real Politik'

AI is merely a tool.

The wonder of the last decade, AI becoming available to everyone. The drawback is that it undermines, human value. This technology as ^{any} another human invention works to serve humans as a mean to ease their lives. It could be used to wipe out human race as HAL-9000 or augment their lives and make it better for everyone. Whatever happens in the future one thing is for sure; AI is changing who we are as this is being written.

The real problem is not whether machines think, but whether men do.

(B.F. Skinner)
