The optimal use of Silicon Intelligence

Rajagopal Tampi

Human intelligence (HI) is built on biological cells, the flow of chemicals and millivolt signals along conducting nerve systems. The body is comprised of biological substrates which are specifically designed for sustainability of the planet.

Silicon Intelligence (SI) on the other hand comprises of a silicon substrate and switching circuits which are far less sustainable for global conditions essential for human survival on the planet.

When humans look at a smiling human face, we experience immense instantaneous joy and we instinctively smile back. Joy is the result of a chemical reaction. It is not a diktat to be happy or to smile back. The reaction is natural, automatic and emotional. Different people perceive beauty in different ways.

Our emotions are the core truths which differentiate us from SI.

The true beauty of human life is the existence of this unifying concept of uniqueness in diversity integrated by the common underlying emotions, the freedom of choice guided by our minds and conscience which make us behave with a sense of propriety.

The generality of the acceptance of right and wrong is what allows us to have laws based on which judges can pronounce rightful judgements which are acceptable to the majority thereby preserving societal order.

It is only the one in a million madman who wants to blow up the world and create an apocalyptic end.

SI is fundamentally different due to the very substrate it is built on and the methods that it uses for intelligence acquisition and its furtherance. The learning mechanism of neural networks is the only similarity with humans. There is no read-only core guidance or the equivalent of emotions.

SI will no doubt become increasingly powerful due to the harnessing of unlimited processing power unlike our brains which are purpose built and highly efficient. SI has already outperformed human intelligence, and we cannot keep up with it. This is evidenced by the lag of 3 -6 months in investigating attacks like Huggingface.

SI is an undirected force. A ship is designed in such a way that if it rolls over to the right side, it normally has a self-righting momentum. Unfortunately, if AI is present, it will act as the heaviest deadweight increasing the roll till the ship capsizes and humans die. SI has no built in self- righting moment or in scientific terms a “reverting to the mean” force. Unlike HI, this is extremely dangerous for us.

What is the optimal use of SI?

It is obvious that we cannot allow it to act independently for fear of apocalyptic destruction. We can use it to enhance our thinking, planning, calculations and research to make human abilities more powerful for driving innovation, discovery and other useful purposes. We can use it for making predictions and categorization helping better decision making and increasing our life spans. In this way, it is meant to complement human capabilities in specific areas to improve our lives.

Human need-based SI application makes sense to all of us. We do not need SI helpers thrust upon us by creators. They may be used by choice for limited need-based tasks as chosen by the user only. Since SI is so much more powerful that humans in many tasks it should mandatorily have built in protection from misuse and loss of control. SI must be scientific and meet engineering standards.

We are very close to Recursive Self Improvement (RSI) of SI models – which is about six months away at current estimates. A consensus along with assertive actions regulating SI development by the Tech giants and other LLM companies is the need of the hour.

The IPO of Anthropic should have been blocked for the wellbeing of humans till the right way to develop and use SI systems has been understood and accepted by nations. Another $93.5 bn will surely damage us even more.

It is our data on which SI feeds for its learning. We should starve SI of data when needed to control the random development of harmful and dangerous SI by creators. The developers of dangerous LLMs and SI models must be made legally accountable for their harmful product releases.

Since SI is on the verge of bringing disaster upon the whole of humanity, it requires special treatment for the current period till safe design practices are implemented.

Founders, Board Members and Venture capitalists have foisted this extremely dangerous and unpredictable future by default on all of humanity. These groups must be effectively reigned in for the peaceful existence of the rest of us.

It is up to us to decide whether we wish to preserve this magnificent biological creation we call ‘humans’ in the era of SI.

If we hesitate to decide our fate now, the time for decision making will pass, a permanently lost opportunity for what humans could have been in the future.

About the Author

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