

# The Future Is Now Generative AI

We Are at New Crossroads. Our Next Collective Step Decides Our Future.



The world has been a place of constant change. Humanity has always tried to find ways to ease its life. But with each change comes a potential of disruption. Disruption for those who might not be able to adapt to the changing world. Disruption for those who were never given a chance to adapt to the changing world.

And now, we are at the crossroads towards a similar new change. A change from the age of Information to the age of Knowledge. The lines are blurring across human intelligence and artificial intelligence. AI can mimic us better than ever. And

we have to be prepared for this new world.

## So What Is Causing This Change?

Recent progress in Generative AI technology is the force driving this change. Recently released ChatGPT which soon became a viral sensation and reached a million users in a record shattering five days and multiple other Generative AI programs such as text to image programs like Midjourney, DALL - E and Stable Diffusion come with a glimpse to the future. These programs on a single prompt essentially generate elaborate data that looks closely like human generated data.



Generative AI in essence refers to a subset of artificial intelligence that is focused on generating new data that is similar to existing data. Generative AI is composed of algorithms and programs that detects patterns and sequences in existing data, using which it produces similar content.

#### **What Would Be The Change?**

The potential use case for Generative AI technology is vast and is going to impact multiple sectors to the core. In the field of healthcare, generative AI can be used to give more precise diagnosis and suggest the best treatment strategy based on what information and data we provide it, thereby saving lives and optimizing/increasing the patients outcome. In the legal sector, it can be an effective tool for scanning through numerous resources and providing a summary of the gathered information.

In the field of sciences, generative AI can be used to generate new hypotheses, design new experiments, and make new inferences. In design related fields such as architecture and marketing, AI could hugely help in the ideation phase by augmenting multiple variations thereby helping the designers

to create faster and better products. For Software developers, AI could help in creating repetitive code patterns and error debugging helping developers focus mainly on logic building.

In many industries, generative AI can be used to create new products and services, improve production processes, and optimize supply chains. The overall impact of generative AI is likely to be far-reaching and will continue to present new facets as we move forward.

But for everybody the picture isn't this rosy. AI powered tools with the potential to automate tasks such as content writing, graphic designing and creating images, music compositions and videos would cause huge scale job displacements in these fields. Similarly, repetitive tasks such as customer support could now completely be automatized.

#### **How to Adapt to The Change?**

Generative AI boosts productivity and efficiency and helps humans focus more on creativity. It helps us become people who invest our vision instead of just investing our time. And enhanced focus on creativity is where the path to the future lies. After all Generative AI is just generating content from the huge pre-generated swarms of human creativity that it was inputted as datasets.

Potential solution to adapt to the changes due to the evolution of AI starts by changing the education model right to the core by focusing on innovation instead of plain rote learning. Solutions to job losses include providing people with skills and training to

transition to fields that are less susceptible to automation and empowering people with skills on how to work with AI. With automation, the net number of jobs would anyway decrease thus driving job growth in the economy by increasing infrastructure, public goods, fostering creation of new startups and small businesses while encouraging companies to invest in new jobs as they automate tasks would be an important measure to take.

Despite all of this, it may become necessary to provide support to workers while they try to transition to newer avenues. Implementing policies such as universal basic income could prove as a safety net for workers who are unable to find employment. Essentially, addressing and adapting to the change that would come with popularization of AI will require a combination of efforts from the individual and society as a whole.

### The Gray Areas

The ethical and social implications of Generative AI is still a topic of vast debate that would be needed to be thoroughly discussed before its full scale implementation. Care should be taken so as to not to violate the rights of individuals. AI tools use internet resources as datasets and thus increasing shadows are being cast whether use of such data follows legal copyrighting laws or not. For example - legal complaint has been lodged in US high-courts that training the AI system on public GitHub repos violates the legal rights of creators who posted the code under open-source licenses.

Similarly, to create new art AI uses previously made art as datasets that the original artist might be unwilling to allow the AI to access.

The Internet is also a place filled with biases and has largely evolved taking much more inputs from one strata of society compared to others. There is no authority that restricts AI to use misinformed, biased or maybe even plainly incorrect data pieces as input to produce polarizing responses. An inherent problem of accountability also resides with the adoption of AI - the user, the AI or the company who is responsible for inappropriate content.

In essence, we are at new crossroads in the history of humankind and the responsibility of smooth transition in all aspects for all strata of society lies on our collective shoulders.



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