Introduction to Artificial Intelligence – Dwayne D’Souza – Assignment 1

Artificial Intelligence is by far humanities most ambitious project, being at the current technological feat requiring a great amount of engineering and scientific knowledge. Over the past couple of years, we have made an astonishing progress improving the optimisation and output immensely. Artificial intelligence capabilities to learn and adapt to wide range of problems and situations has made it surprisingly robust and holistic, giving it the practical knowledge to properly interact with out world, whilst having the limitless intelligence of our operating systems, with answers and solutions given at the fraction of a second. And although, it sounds like we’ve been given God’s ear, this is far from the reality of it as Artificial Intelligence is plagued with several risks and dangers that could be detrimental to our society making it completely contrary to the Heaven on Earth sentiment that often floated around Artificial Intelligence discussions.

Artificial Intelligence presents humanity with a serious conundrum in question to it is ethical, social, and political issues surrounding its existence, and how, if it all practical, to manage and control Artificial Intelligence. To ensure that it is beneficial to humanity whilst reigning its development to ensure humanities safety and preservation in both a physical and social sense.

As of right now, Artificial Intelligence has made great strides however, we should worry about superintelligence and the singularity. It may seem like an outlandish questioning; however, it should not be taken with grain of salt as even Bill Gates, CEO of Microsoft has stated that “Humans should be worried about the threat posed by artificial intelligence.” Displaying the severity of the issue Artificial Intelligence has in changing the landscape with threatens everyone across the scope. Artificial Intelligence as it stands has two types that revolve around the technology. Physical, which refers to doing martial work and labour, such as robots and automatic machinery. And Intangible, which refers to the inbuilt programmed intelligence such as ChatGPT and Deep Seek.

As is stands, both types of Artificial Intelligence threaten our job market and security, where many tasks, both blue collared and white collared roles are at threat to overnight become obsolete. Physical jobs that are being threatened include roles such as drivers and factory workers, and Intangible jobs being threatened include roles such as programmers and graphical designers. These displays unbelievably large scope Artificial Intelligence has over our livelihoods, and how many people and families would be applicably affected by layoffs, ensuring a level of Artificial Intelligence dominances over certain jobs, which challenges our significance, status and independence, as we’ll lose both our refined skill of trade, alongside becoming more dependent on Artificial Intelligence. Moreover, Artificial Intelligence eventually be refined and developed where it will more functionality and capability to overcome more challenges and take away more livelihoods, securing Artificial Intelligence singularity over humanity.

The scope of this study revolves around AI machinery and development and its implementation and consequences of taking over the job market, and the Methodology is going over research papers and literature reviews to collect and display found data on subject matter.

Artificial Intelligence is one of humanity greatest leaps of technology, being one of the most impressive leaps humanities has made in such remarkable time. The expansion of Artificial Intelligence is nothing less extraordinary, as we push the limits and capabilities of technology to better serve us. However, this technology raises several ethical question and problems, with many scientist, commentators and even Elon Musk, who is considered an pioneer is modern technology development has stated that Artificial Intelligence is “biggest existential threat.” Where once unforeseen or merely speculatory inquires need to be confronted and solved, otherwise, it could prove to be a downside to our growth and hamper our development and prosperity, potentially leading to be severely detrimental if not properly managed.

Currently, Artificial Intelligence Superintelligence and the Singularity is merely in its infancy however it’s already posed an existential threat to our job market. A research paper published by Ernst & Young YYP findings found out that in 71% of American felt they’re jobs are under threat of being taken over by Artificial Intelligence, with “41% of Americans believing that it is evolving too quickly.” Their fears are justified as according to research paper published by Socius found that in 2022 only 14% of jobs were lost due to growth of Artificial Intelligence taking over the workspace. And with the growth of Artificial Intelligence superintelligence and singularity making it able to compete and surpass jobs and roles dominated by Human, it is estimated that up to 300 million jobs in the future under threat of being taking over by Artificial Intelligence. With 44% of companies in 2024 already using or planning Artificial Intelligence in their business according to a study by Exploding Topics; It’s clear that the premature recovery from the Covid-19 job layoffs hitting an historic high in Australia at 13.8% according to the Australian Bureau of Statics is going to relapse back, if not worse if nothing is done to curb the growth of Artificial Intelligence. It’s clear that Artificial Intelligence becoming more intelligent at alarming rate, where an Artificial Intelligence Singularity has escaped the world of fiction and is breathing down out necks. It’s clear to all that something needs to be done to ensure proper restraints and measures are taken on Artificial Intelligence growth and development, otherwise, our already competitive job market, is going to become more fierce and competitive, it’s evident that Artificial Intelligence is going to lead to many more layoffs, leading many individuals and families left to scavenge to survive in an ever hostile environment.

Artificial Intelligence has already

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