

Plan:

Intro: Basics of what AI is and what jobs its taking. Brief summary of the role of robots and how they help us in the 21st century. Skills they can achieve at pace.

P1: Critically evaluates -PROS: why AI is good and how robots can help us. Speed, efficiency. Technological advancements. Business related. How it can help with profitability. How professionals can work with robots to make a business better. What skills needed to stay relevant.

P2: Critically evaluates -PROS: Uses of AI in business, automation software. Reducing human error. Big data-ai can measure huge amounts of data to help with your business's return on investment.

P3: CONS: Why it will affect humans, Job market, less people needed so less employed. How will this affect the future? Will this cancel the role of the professional? Are we between times right now?

P4: How could the robots make professionals irrelevant in the workplace. Include jobs that are already gone/may go soon. Websites like: <https://willrobotstakemyjob.com/> see if your job will go. What skills will the robots take.

P5: Evaluation: Automation been going on since 1800. economic advantage, lowers the prices of goods and services, reduces the number of people in some occupations and allows for the creation of new jobs in new occupations

P6: Evaluation: Artificial intelligence is the automation of tasks normally requiring human intelligence.

Artificial intelligence is the subject of much, and sometimes fantastical, speculation. But when companies

who have adopted AI are surveyed, they report that AI delivers improvements in sales and efficiency, and

results in new jobs and new roles within companies. Elon Musk: "AI will make jobs kind of pointless," the Tesla CEO said Thursday at the World Artificial Intelligence Conference in Shanghai. "Probably the last job that will remain will be writing AI software, and then eventually the AI will just write its own software."

Conclusion. Round off all points and end nicely

In the light of the above, write a 1500 word essay that critically evaluates the **role of the professional in the future of work. The essay should include consideration of the **skills** required for professionals to **remain** in a workplace dominated by AI.**

The practise of automation has been embedded in human society since around the 18th century. Farmers would use machinery to speed up work that would take much longer if done by a human alone. Automation transforms economies and societies as workers progressively move from agricultural to manufacturing and then to the service sector work. Each economy trying to outdo another with faster or more efficient methods of technological advancements in order to boost their economic growth and wealth. The impact of jobs has taken a big flip in the last few decades as automation now is resulting in the loss of jobs for the first time, instead of creating more work opportunities. This is due to the comparison of previous waves of automation and the AI 'revolution.' AI builds upon new technologies but is also unique for its much stronger potential to bring about socio-economic changes to the 21st century. This puts a question mark over the role of the professional in a workplace dominated by AI.

AI often is perceived in a negative light, however when controlled it is a very powerful tool for businesses. AI incorporates BIG data which is the absorption of very large amounts of information, that is then processed to reveal patterns and trends, usually relating to human behaviour and interactions such as buying habits and preferences. This data is very useful to businesses as it shows them what items are popular, how to target their consumer in relation to the items they've previously bought. It gives information that businesses use to increase profitability. However, before AI, all these jobs were done by humans. To avoid the fate of inevitably being overtaken by artificial intelligence you must adapt in the work environment to still be relevant and necessary for employment. You should focus on areas that AI cannot compete with you in; for example creativity, adaptability and social skills. Also if you find a job that assists AI like being a software developer, you'll never go out of work. Every decade or so the work environment is radically changed, and like survival in the wild, you have to adapt yourself to compete against it.

The invention of metal tooling, the discovery of electricity and machinery industrialized the labour force of the past, now we have advanced computing. Each of these steps has demanded an adaptable labour force as we learn new skills and more efficient methods of completing a task. Just a decade or so ago it would have been impossible to imagine a world with self driving cars and phones that can understand and complete tasks from speech. This is why AI is such a revolutionary and profitable area for businesses. According to a recent accenture study, 74 percent of companies expect to automate their work tasks over the next three years, but only 3 percent plan to increase their spending on training. It's far less costly, more convenient and less risk of human error for businesses to invest in robot technology rather than employ a human.

As the task description states; many times blue-collar jobs like factory workers and taxi drivers are what are traditionally seen as being at risk, however more niche jobs are at risk in recent times, as algorithms and machine learning is slowly catching up to our own understanding of the roles. For example, the iPhone in your pocket, has perfect memory, is efficient and quick. It won't forget one of your contacts or photos, like a human does. Therefore one can see reflected in our own phones alone how technology has one up on humans in different ways. The impact on jobs is that as this continues the less people that are needed, the less people are employed. This results in more highly skilled jobs being in higher demand, meaning the job market will be even more competitive. Will this cancel the role of the professional? AI can actually be seen as enhancing the need for professionals. At the moment I believe we are between times, AI isn't quite advanced enough yet that it is threatening people in high positions but it is threatening lower class and part time work that can be done easily by an AI machine. Abstract careers that involve human thought in ways that machines cannot process are safe for the time being but these peoples skill set will need to be adapted to understanding the application of AI in their workplaces and how it can be used to benefit their businesses economies of scale and profitability.

Artificial intelligence is at a very young age in terms of the time it's been around, yet we already see it taking certain lower class jobs, this progression isn't slowing down, in fact its increasing. For the professional this poses as a real threat. The more advanced AI gets the more potential it has to take over the professionals role. Numerous experts have queried about the threat that AI could have; this link from [Oxford University](#) predicts that 47% of employment in the United States is at risk due to computerization. AI is just starting to automate jobs involving decision making and judgement. This is a threat to the professional in the workplace as it opens the door for AI to compete with and potentially outperform humans in cognitive tasks. AI is starting to do things such as determine whether or not an insurance claim is fraudulent as well as assist physicians in making accurate diagnosis on hospital patients. To achieve this level of cognitive ability all AI needs are the correct algorithms that feed on data provided to it. For example if it has data on different symptoms of illness and disease then it can narrow down the search based on what the patient describes their illness to be. This doesn't completely eradicate the role of the human though, as humans can be re-employed to refine AI as well as manage it. Furthermore, jobs in the health field require a level of compassion and emotional intelligence which AI is far from achieving. Higher collaboration between industry, government and educational institutions needs to ensue to prepare the young workforce for their future correctly. The education system is quickly becoming out of date. Students need to correct skill set to be able to compete and place themselves against AI, the modern workforce have to compete against AI and humans now, rather than just humans.

The role of the professional is currently geared towards assisting AI and completing the assigned tasks of their job role as efficiently and properly as possible. But with artificial intelligence gaining on humans in knowledge and understanding, the role of the professional quickly comes under question, as AI can complete the tasks for much cheaper and just as well as any human, putting the future of the professionals job at major risk. When in an interview you want to show that you have qualities that cannot be automated; jobs with empathy, deep critical thinking skills, creativity and technological management are very safe

areas as the unique skills required are very hard to replicate in an automated robot. These are the areas that future job seekers should be looking to invest their time in as they are the least likely to be threatened by AI. Artificial intelligence is basically the automation of tasks normally requiring humans. Elon Musk is the founder of Tesla and SpaceX and he is very interested and aware of AI's threat, he states; "AI will make jobs kind of pointless," he said on Thursday at the World Artificial Intelligence Conference in Shanghai. "Probably the last job that will remain will be writing AI software, and then eventually the AI will just write its own software." Elon has become very successful by predicting future trends and by being ahead of the game in technological terms, thus to hear him speak of a world where AI will one day be so advanced that it will be able to write its own code, really puts into light the perspective of where humans will sit in this battle for relevance against AI.

In conclusion, without artificial intelligence needing time off, a break for paternity leave, sick days and pay, means it will always be the preferred method for businesses. In fact businesses that do employ humans will find themselves falling behind and not getting the same results as businesses using AI. This is why it's such a revolutionary piece of equipment that almost seems an evolutionary level above humans in certain areas. With AI allowing businesses to achieve cheaper labour for more hours, resulting in economies of scale rapidly increasing and efficiency being at an all time high. It's no wonder why people are worried about the continuation of AI development in this already saturated job market.

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