

Article

The Role of Artificial Intelligence in the Future of the Job Market

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Abstract: In the modern digital era, the role of artificial intelligence (AI) in the job market is growing significantly, as AI has the potential to replace many professions in the future. This article examines the extent to which AI may contribute to job loss, including the replacement of factory workers by machines and cashiers by self-checkout systems. Furthermore, the article explores whether artificial intelligence can create new employment opportunities and discusses the types of professions that may emerge as a result of the digitalized world. Additionally, it analyzes whether AI will have only negative effects on future job markets and identifies professions that are unlikely to be replaced by AI. The findings suggest that artificial intelligence should not be viewed solely from a negative perspective, as it also offers numerous positive opportunities for society and employment.

Keywords: AI, Future Job Market, Replacement, Digital Technologies, Factories

1. Introduction

In the 21st century, significant development of digital sources has clearly impacted on many aspects of people, including professions. One of the most noticeably transformation has occurred in the field of working factories, where machines that can potentially replace human workers have been developed [1]. Factory owners nowadays are really dependent on machines that offers advantages such as manufacturing goods double or triple more than human does also the mistakes during the producing will be less additionally, researches showed that robots have tendency to work unstopable more than 24 hours [2]. The research hold in U.S by **Daron Acemoglu** claimed that around 400 000 jobs are declining as a result of robots.(2020:2).Moreover, If this trend looked out from economic side, people who work in manufacturing should be paid salary but on the other side robots in manufacturing do not have to be paid. This would be also a good excuse for replacing robots over fabric workers [3]. Self checkout system is also run in some developed countries such as Japan, Korea and China. As a result of these actions cashiers are also at risk that would be unnecessary for humans to be cashiers in the future as many other developed countries are also interested in this type of methods. There will be camera and people will be able to scan their ite,s on their own and put money to the cash by themselves [4].

At the same time, the question “Is AI is able to make new job opportunities to people?” is should be asked firstly. As it mentioned in the first paragraph, robots or machines should be controlled by humanity. If person does not start new project or work on them, the world could not be changed to advent. In the Digital skills and Platform mentioned that [5].

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2. Methods

This study uses a qualitative research method based on literature review and comparative analysis. Different reports, scientific articles, and international statistics related to artificial intelligence and employment were analyzed. The research focuses on the impact of AI on job replacement and job creation in developed countries such as the United States, Japan, China, and Korea [6].

3. Result

“The WEF estimates that the development of automation technologies such as AI could displace 75 million jobs and create 133 million new jobs.” (2021:3). It is clear from that sentences that people who have more tendency to control over robots and machines would be gain more demand [7]. Additionally, new types of jobs are expected to replace older ones, as automation takes over tasks that are often repetitive and uninteresting. The rise of robotics is already underway, driving a new industrial transformation in which humans will continue to play a central role. In the future, robots are likely to contribute to job creation and lead to the emergence of innovative careers that are currently difficult to imagine [8-12]. The Skills Malta Foundation supports this development, believing it will improve daily life by increasing efficiency, as technology has always done, and by generating entirely new employment opportunities.(2021:6). AI is going to make new professions such as Computer vision engineer, . AI research scientist . Data scientist with the highest salary in the world and their task is working in the background of making AI [13].

4. Discussion

So can AI replace all the jobs in the future? This time everybody could have said yes but it is not. Generally as it mentioned AI is not real and it can not be work automatically , without human intervention. But even scientist are try to make replaceable for some jobs such as nurses, early children teacher, plumbers , mechanist and so on [14]. The reason would be these professions demand physical actions to do not online or non-physical actions. How can AI take care of your children in hospital or in kindergarten, or how AI Is going to build bridge to your hometown or how AI is going to repair exhaust in your car? (2024:1)This means that AI is not able to make all professions own.

All in all if you are the professional of your job, your job can not be replaced by AI. Also people should not be worried about losing their jobs in the future as AI is also under control of human [15].

5. Conclusion

In conclusion, artificial intelligence is transforming the modern workplace and changing many traditional professions. Although AI and robots can replace some repetitive and routine jobs, they are also creating new career opportunities in technology and digital industries. However, AI cannot completely replace humans because many professions still require human emotions, creativity, communication, and physical skills. Jobs such as nurses, teachers, mechanics, and construction workers will continue to depend on human abilities. Therefore, people should improve their professional and digital skills instead of fearing AI. Overall, artificial intelligence should be considered a tool that supports human work rather than completely replacing it.

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