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### New Job Opportunities in the Age of Artificial Intelligence

The rise of different industries is affiliated with the advent of Artificial Intelligence systems. These systems have effectively provided new work opportunities for people in different areas of the economy. Individuals interested in AI-related job opportunities should consider advancing their skill sets to match emerging industries. Some areas worth considering include renewable energy, health technology, education technology, financial technology, and cybersecurity (Medium). There are many more areas of growth concerning artificial intelligence; hence, skills in areas like mathematics and statistics are an added advantage. This knowledge creates room for comprehending the basis of AI: calculus, algebra, statistics, and probability. With this knowledge, an individual can develop AI algorithms that are more complex; this is one of the valuable skills that the advent of AI technology has introduced. AI is fairly diverse; therefore, one's interests play a significant role in determining the job prospects to pursue. Reskilling will be integral in increasing one's capacity to secure employment in the AI era.

One of the most exciting developments that AI has introduced is autonomous vehicles, and individuals interested in this domain can consider emerging trends in domains like machine learning, sensor technology, robotics, and software engineering. The evolution of AI is opening up opportunities in areas like the engineering of autonomous vehicles, safety analysis, and data

science. Nikitas et al. indicate that the underlying presumption is that autonomous vehicles will kill the transportation industry (2). The researchers indicate that autonomous vehicles will disrupt employment in the transport industry, but the individuals that reskill will transition effectively to the next development phase. Nikitas et al. affirm that the present day's employee skillset is significantly different from the one required in the AI-defined period (2). Therefore, specialists in autonomous vehicle engineering will be in demand; these individuals will work on bettering the sensors, algorithms, and software required for efficient and safe transportation (Perry). This field is likely to open up more opportunities in the traffic management domain as individuals that specialize in data analysis, machine learning, and optimization algorithms will work toward creating and deploying solutions for intelligent traffic management (LinkedIn). The primary idea will be reskilling and aligning one's skillset with the demands of the job market. This approach to career development will lead to new avenues of earning money within the transport industry. Therefore, entrepreneurship will be integral in determining the number of available employment opportunities in the AI era.

The rapid expansion of AI will disrupt the existing industries, creating opportunities for entrepreneurs to develop innovative startups by disrupting the current sectors. Giuggioli and Pellegrini indicate that the AI revolution will significantly change organizational dimensions (817). An excellent example is the renaissance of human work in most automated workspaces. The potential of AI to enable people to work in superhuman ways due to the powerful tools in their possession will open up opportunities for rehumanizing work. People will have more time to be human instead of working like machines (Giuggioli and Pellegrini 817). Giuggioli and Pellegrini contend that the central aspect of entrepreneurship in the AI era will be tapping into

the opportunities that AI presents while avoiding the associated disadvantages, which will probably manifest through job losses and inequalities in wealth distribution (817). The central tenet will be placing the positive and negative outcomes of AI in perspective by considering the emerging improvements in productivity. Ideally, entrepreneurs will find ways of tapping into new technologies to solve real-life problems. An excellent case is the workplace renovation to allow people to work from home.

Work systems are gradually moving toward virtual simulation of the work environment. The Covid-19 pandemic accelerated the use of AI in organizations since government policies like the lockdown required the replication of processes. Entrepreneurs can use these realities to develop solutions that increase job opportunities. Significant resources have been allocated to Covid-19 recovery measures since the pandemic disrupted the proper working of many organizations (Giuggioli and Pellegrini 818). These resources create a favorable path to sustainable digital transformation. A case depicting this reality is the Next Generation EU, where €750 billion have been set aside to support European nations through new investments and innovations, particularly in digitalization. This investment gives entrepreneurs unique opportunities to create or enhance their companies' digital transformation through public subsidiaries and entrepreneurial resources (Giuggioli and Pellegrini 818). The "Industry 4.0" concept develops shape as one thinks about the role of AI in the digital era. Industry 4.0 combines the real and virtual worlds, positioning entrepreneurs to create more job opportunities by emphasizing engineering applications like robotics, automation, and digitalization. Giuggioli and Pellegrini emphasize that AI can be used in research that demands human intelligence (818). These activities require human input, meaning people will maintain work-related roles despite

the automation of activities. In this regard, when an individual reskills, he develops the capacity to work in multiple domains as entrepreneurs develop creative avenues of tapping into AI capabilities.

Accordingly, AI will reshape existing industries, creating new job roles. AI has revolutionized the healthcare domain by personalizing medicine, healthcare data analytics, and imaging analysis. This development has resulted in the specialization of roles such as telemedicine coordinators and AI analysts. Telemedicine coordinators carry out administrative duties to supervise and plan for telehealth services for specific telehealth centers (ZipRecruiter Marketplace Research Team). These individuals' work supports clinical and non-clinical employees and guarantees the implementation of standard quality patient care. Further, AI is applicable in finance for fraud detection, risk analysis, and algorithm trading (HPE). Ideally, customer experience improves with AI in domains like online banking; therefore, people can take up roles within these sectors. Internet banking customer service managers are one of the roles in the finance sector that have emerged due to the advent of AI (JobMonkey). Other careers include investment banking, financial advisory, credit analysis, and commercial banker. Such employment opportunities will likely increase as AI plays a more active societal role. These changes are likely to result in the evolution of the job market.

The new job opportunities arising from AI will significantly affect the broader job market. The adoption of telehealth has been realized over the past years, and this has provided an opportunity for physicians to provide services to patients at a lower cost and innovate healthcare (Harmon). The Telehealth Modernization Act strips geographic restrictions on the provision of

telehealth services. This act allows people to receive health services in their private residences instead of traveling to authorized care centers to receive such treatment (Harmon). Therefore, people employed as telehealth coordinators will have more stable jobs as people embrace AI as well as the benefits that it advances. Congress is still debating this legislation, but closer introspection establishes that such laws will become more familiar with the expansion of AI capabilities. Jin et al. establish that major changes are set to affect the health landscape; these researchers use the March 17, 2020 declaration to indicate that care providers are increasingly considering telemedicine in providing care (1). These researchers indicate that new policies have been implemented to ensure patient safety, privacy, and care. Through this low-resource modality, patients that are socially or medically unable to physically see their providers can intercommunicate (Jin et al. 1). This development establishes that telemedicine is gradually being integrated into the healthcare domain. Therefore, as the role of AI takes root in the modern community, more people will secure roles related to facilitating the effectiveness of AI in service provision. The underlying principle is reskilling, as this positions a person to possess the skills that allow him to work in multiple areas or sectors of the economy.

In conclusion, reskilling is central to determining who secures employment in the AI era. The individuals whose skills fit the needs of entrepreneurs, the healthcare system, and even the engineering world will be ideally positioned to secure employment. These individuals will provide critical services that facilitate the working of AI in the modern world. An excellent example is a telehealth coordinator; this person will increasingly facilitate providing health services to different individuals from remote locations. Such roles will emerge as people creatively incorporate AI in different sectors of the economy.

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