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## Impact of ai on future jobs

**Artificial Intelligence: A Force for Good or Evil** The debate surrounding Artificial Intelligence (AI) is as old as the technology itself, with proponents and opponents presenting vastly different views on its impact. While some see AI as a revolutionary force that will bring about unprecedented benefits, others are more cautious, warning of the potential dangers it poses. Proponents argue that AI will revolutionize industries such as healthcare, education, and productivity, leading to significant improvements in efficiency and accuracy. With AI-powered tools, doctors can diagnose diseases more accurately, students can receive personalized learning, and businesses can optimize their operations for maximum profit. However, critics are concerned about the impact of AI on jobs, particularly those that involve repetitive or manual tasks. They fear that automation will displace workers, leading to widespread unemployment and social unrest. Some even suggest that AI could lead to a robot uprising, with machines surpassing human intelligence and taking control. Despite these concerns, many experts agree that the benefits of AI outweigh its risks. McKinsey predicts that AI will have a profound impact on global economic activity, growing GDP by 16% by 2030, equivalent to an additional \$13 trillion. This growth is expected to come from increased innovation in products and services, as well as the substitution of labor with automation. Forbes sees AI as one of the most disruptive technologies in history, with the potential to transform industries and societies worldwide. While it acknowledges the risks, it also notes that the benefits are too great to ignore, and that AI has the power to simplify our lives and shape the future of humanity. As AI continues to evolve, it is essential that we address the challenges it poses head-on. The transformative impact on jobs, industries, and economies will require significant preparation and discussion. By embracing this technology and working together, we can harness its potential to create a brighter, more prosperous future for all. **The Rise of Automation: Jobs Most Likely to be Replaced by AI** Given article text here AI is increasingly being used to automate various jobs across industries. According to research, white-collar workers with higher education may be among the most vulnerable to job displacement due to workforce automation. A study by McKinsey Global Institute suggests that 14% of employees globally could need to change their careers by 2030 due to digitization and AI advancements. Several types of jobs are at high risk of being automated, including: 1. Customer Service Representatives: AI-powered chatbots can provide automated responses to frequently asked questions, reducing the need for human customer service representatives. 2. Receptionists: Robots and AI systems are increasingly being used to manage reception tasks, including greeting guests and handling phone calls. 3. Accountants/Bookkeepers: Automation and AI-powered bookkeeping services can efficiently collect, store, and analyze data, making human accountants less necessary. 4. Salespeople: With the rise of online advertising and social media marketing, the need for human salespeople is decreasing. 5. Research and Analysis: AI is being used to streamline data analysis and research processes, potentially replacing human analysts in certain roles. 6. Warehouse Work: Online sales has led to an increase in demand for automated systems that can efficiently process orders and manage inventory. 7. Insurance Underwriting: AI-powered systems are being used to analyze data and make assessments on insurance applicants. As AI continues to advance, it is likely that many jobs will be replaced by automation, requiring workers to adapt and acquire new skills to remain relevant in the job market. Automation can have significant impacts on industries, especially in tasks that involve repetition or structured formulas. In retail, self-checkout stations have become more prevalent, allowing companies to reduce labor costs while potentially increasing instances of theft. However, experts suggest that automation will not replace human workers entirely and may even create new job opportunities as AI and machine learning evolve. To transition into an AI-focused role, acquiring specific skills such as understanding the industry, developing soft skills, and gaining experience are key. These aspects can differentiate one from other candidates who primarily focus on technical skills. Moreover, research in AI is extensive and requires collaboration, making soft skills invaluable. Some jobs are less likely to be replaced by automation due to their complexity or the human factor involved. These include teachers, lawyers and judges, directors, managers, CEOs, HR Managers, and others that require a high level of negotiation, strategy, leadership, personal experience, and complex decision-making skills. Maintaining employee motivation is crucial, so we focus on early signs of discontent and develop strategies to address them. Our Career Path Planner uses your experience and interests to create a personalized roadmap for success. You'll receive tailored advice on the skills and qualifications needed to advance in fields like finance, marketing, management, or entrepreneurship. Take our quiz to get started! Meanwhile, AI's potential impact on certain professions must be acknowledged. While technology can improve diagnosis and disease detection, human psychologists and psychiatrists are essential for providing emotional support and understanding individual circumstances. Similarly, surgeons require a deep connection with patients to make informed decisions during operations. Computer system analysts will always be needed to maintain, update, and improve complex software and hardware systems, ensuring their seamless integration. AI may automate some aspects of writing, but the creativity and nuance required in artistic expression mean that human writers and artists will remain unparalleled. According to estimates, AI could replace around 85 million jobs by 2025, with retail jobs being particularly vulnerable (65% automation rate). By the mid-2030s, up to 30% of jobs could be automatable. To adapt, it's essential to learn new skills and stay ahead of the curve. Take our quiz to start exploring AI-related opportunities and build your future today! Want to stay ahead in your career? LinkedIn says you already have AI experience, whether you know it or not - using voice assistants like Alexa and Siri are examples. But as Generative AI takes over the headlines, it's time to develop new skills and adapt to the changing job market. Here's how: 1. **Keep learning** - Stay updated with the latest trends in your industry by taking courses, attending workshops, and conferences. 2. **Develop soft skills** - While AI excels at routine tasks, humans need emotional intelligence and creativity. Focus on developing communication, problem-solving, and collaboration skills. 3. **Be adaptable** - In an era of rapid change, be willing to learn new skills, take on new responsibilities, and pivot to new career paths. 4. **Specialize** - As AI becomes more widespread, there's a growing demand for workers with specialized knowledge. Develop expertise in a particular area to increase your value to employers. To transition to the AI-driven job market, focus on agility and skills development. Online next-gen universities like Nexford University offer flexible programs that equip learners with the skills needed by employers. Their Workplace Alignment Model ensures that graduates are prepared for the demands of the modern workplace. The debate rages on - will AI replace jobs or create new ones? The answer is both. AI offers efficient solutions, freeing humans to focus on creative goals and automating tedious tasks. It's time to accept AI as a part of our lives and adapt to its benefits. AI is revolutionizing industries like logistics, manufacturing, and cybersecurity by automating processes and delivering valuable insights. Small businesses are also making rapid progress in creating speech recognition software for mobile devices. To stay ahead, it's essential to develop lifelong learning skills, soft skills, be agile, and specialize in a particular area. This will help workers thrive in the era of AI and take advantage of its opportunities. To succeed in an ever-evolving job market, individuals can enroll in online programs like BBA or MBA in Artificial Intelligence, which equip learners with necessary skills to navigate the competitive AI job market. Nexford offers such online programs that prepare learners for a future where AI is increasingly prevalent. The debate surrounding AI is ongoing, with some viewing it as a positive force that brings about numerous changes in society, including enhanced productivity, improved healthcare, and increased access to education. Others see AI as a disruptive force that steals jobs from humans. However, the leaning is more towards AI being a positive force that creates new vocations, solves complex problems, and makes daily lives easier. The economic impact of AI will be profound, with McKinsey global institute predicting an additional \$13 trillion in global economic activity by 2030, resulting in 1.2% annual GDP growth. This impact will mainly come from labor substitution and increased innovation in products and services. By 2030, some 70% of companies are expected to have adopted at least one type of AI technology. Forbes sees AI as a highly disruptive technology that has the potential to simplify our lives to a great extent. It will shape the future of humanity positively, while Bernard Marr & Co believes that the transformative impact of AI on society will be far-reaching, affecting economies and destinies. AI is set to have a profound impact on various industries and jobs, with both positive and negative consequences. While it can bring about numerous benefits such as enhanced productivity, improved healthcare, and increased access to education, it also poses significant challenges including job displacement and changes in the workforce. According to Goldman Sachs, AI could replace up to 300 million full-time jobs by 2030. Some of the most susceptible jobs to automation include customer service representatives, receptionists, accountants/bookkeepers, salespeople, and researchers. The use of AI-powered technologies can streamline tasks, improve efficiency, and reduce costs, but it may also lead to job losses. On the other hand, AI has the potential to create new job opportunities and drive productivity growth. A study by McKinsey Global Institute predicts that at least 14% of employees globally could need to change their careers due to digitization, robotics, and AI advancements by 2030. Artificial intelligence is increasingly being used to streamline processes and analyze data without human assistance. Modern computers' processing power enables efficient sorting, extrapolation, and analysis of data, potentially reducing the need for humans in data analysis and research. Online sales has led to an increased focus on automation, with basic automation and artificial implementation allowing easy access to computerized systems to locate packages and direct staff. Future AI may even perform mechanized retrieval and loading to increase shipping capacities. Insurance underwriting involves analyzing data within formulas or structures, a task that can be easily completed by automation. This technology is continually adapting to perform more complicated duties, potentially reducing the number of underwriters required. Retailers have adopted self-checkout stations, which reduce costs by minimizing employee labor at registers while allowing customers to scan their own items. However, experts argue that AI and machine learning will create more occupations than it replaces. To adapt to this changing job market, workers need to acquire skills necessary for an AI-focused role. This includes ramping up technical skills, completing online courses, understanding the industry, gaining work experience, and developing soft skills. Soft skills will help set individuals apart from other developers who only possess technical skills. Certain jobs are less likely to be replaced by AI due to their repetitive nature or high level of personal expertise required. These include teachers, lawyers, judges, and others that rely on human interaction, strategy, and experience. Human skills are essential in various professions, including law, leadership, HR management, mental health support, surgery, software analysis, and artistic creation. While technology has improved accuracy and efficiency in many areas, human touch and expertise are still crucial for success. A certain set of skills to navigate complex legal systems and defend clients is vital for judges. In contrast, AI can assist with hiring processes but human resource managers remain essential for motivating staff, detecting discontent, and managing it. Psychologists and psychiatrists recognize the importance of a human touch in supporting individuals' mental health needs. Surgeons must connect with patients on multiple levels while considering various factors during operations. Computer system analysts ensure human presence is maintained to run maintenance work, update software, and improve hardware systems. Artists and writers rely on their creative skills to produce original content, making AI-generated writing unlikely to replicate their style. Nexford's Career Path Planner provides personalized advice for developing essential skills in areas like finance, marketing, management, and entrepreneurship. Despite the growing use of face recognition technology in counseling care, human support is still necessary. The variety of roles that require human expertise highlights the importance of preserving these skills in an increasingly automated world. Given article text here The future of work is increasingly uncertain, with artificial intelligence (AI) set to disrupt numerous industries by 2025. According to the World Economic Forum, AI could replace up to 85 million jobs, with retail jobs being a significant target due to technological advancements, cost pressures, and changing consumer behavior. By 2030, PwC estimates that up to 30% of jobs could be automatable, with men potentially facing greater long-term disruption as autonomous vehicles and machines take on more manual tasks. Women may also be at higher risk in the short term due to their overrepresentation in clerical and administrative roles. To stay ahead in an AI-driven job market, it's essential to develop new skills and adapt to changing circumstances. LinkedIn notes that many people already have experience with AI, whether they realize it or not, through interactions with voice assistants like Alexa and Siri. Embracing lifelong learning, developing soft skills, being agile, and specializing in a particular area will be crucial for success in this era. Online universities like Nexford can provide access to training programs tailored to the latest industry needs, enabling individuals to pivot into new careers quickly and efficiently. Nexford University's Workplace Alignment Model is a key focus area, aiming to equip learners with the necessary skills that employers are looking for. The institution also offers an MBA degree with a specialization in advanced AI for those seeking postgraduate education. The debate surrounding AI's impact on job markets has been ongoing, with some predicting widespread job losses and others seeing AI as a creator of new job opportunities. However, it seems inevitable that resistance to AI is futile, and its integration into daily life will continue. Embracing AI can bring efficient solutions and free up resources for more creative pursuits. AI offers vast potential for businesses, from automating processes to delivering valuable insights. Its applications are diverse, spanning industries such as logistics, manufacturing, cybersecurity, and even small business ventures in speech recognition software. To thrive in an AI-driven era, workers must be willing to adapt through lifelong learning, developing soft skills, and specializing in areas that will remain relevant. Enrolling in programs like Nexford's BBA or MBA in AI can equip learners with the necessary tools to succeed in a competitive job market and avoid potential losses. A free report detailing an in-depth analysis is available for download. How can we create a future of work that is fair, equal, and sustainable for everyone? FOLLOW THIS SERIES You'll get email alerts when there's new content in this series. Many people see the path technology takes as inevitable. But history shows that technologies develop based on the vision and choices of those in power. When these choices are left to a small elite, they often benefit while others bear the costs. Rapid AI advances threaten to eliminate many jobs. Jobs with routine tasks, like regulatory compliance or data collection, may disappear. However, there are two paths this AI revolution could take. One is automation, where AI performs tasks as well as humans. Currently, this dominates in the US tech sector. The negative impact on people along this path is predictable from prior waves of digital technologies and robotics. It contributed to the decline of American manufacturing employment and increased inequality over the last four decades. If AI intensifies automation, we'll likely see more of the same - a gap between capital and labor, more inequality, and fewer good jobs. There's another path available - focusing on creating new tasks for humans rather than sidelining them. This is not new in history. The augmentation of human capabilities by providing better tools and information was the bedrock of wage growth and shared prosperity after World War II. AI could magnify possibilities for human-complementary technological change, enabling the development of a wide array of tools that provide better information to decision-makers. This need not be limited to office workers. Much of the workforce depends on problem-solving and real-time decision-making. With better context-specific information, these workers could become more productive in their tasks and venture into new ones. However, this path is not where we're heading. Three big social changes are necessary: management must view workers as a key resource whose productivity should be augmented; labor laws need to prioritize worker training; and companies must recognize that investing in workers is essential for long-term success. The rush to reengineer companies with fewer workers overlooks the long-term health of these organizations, which often fails to achieve promised productivity gains from automation and offshoring. In reality, labor is crucial for productivity growth, and companies must recognize this. The tech sector should prioritize helping workers rather than focusing solely on automation and surveillance tools. For too long, the industry has been driven by a quest for artificial general intelligence and autonomous machine intelligence, aiming to automate as many tasks as possible. However, labor needs a voice in how technologies are used, not just to resist excessive cost-cutting and automation but also because workers know which parts of their jobs could benefit from automation, making them more efficient and productive. Increased worker buy-in reduces the need for intense monitoring and surveillance, ensuring that productivity gains are shared fairly between capital and labor. Three social changes are necessary: recognizing labor's critical role in productivity growth, prioritizing worker-centric technologies, and giving labor a voice in technological decisions. These changes are possible, especially with growing pushback against the "shareholder values revolution" and increased pro-union sentiment. The tech sector can evolve to provide better tools for workers, augmenting human capabilities rather than replacing them. Labor must be better organized, focusing on how technology is used and controlled, to chart a new course for involvement in the production process during the age of AI, enhancing productivity by making workers more productive in decision-making and problem-solving tasks. The trajectory of technology is currently moving away from labor interests, and a shift towards pro-worker technological change is not only feasible but also desirable. However, large corporations, including the tech industry, are unlikely to make significant changes on their own without external pressure. This is where strong labor voices, government regulation, and civil society organizations come into play. The latter have previously played a crucial role in guiding companies towards positive directions, and this role becomes even more important today as we face a fundamental need for AI technology to be redirected. By adopting complementary policies that encourage a better path for technology use and development, the government can help create an environment where human workers are valued and empowered. This includes revising the federal tax code to equalize the tax burden between labor and machines, regulating AI-assisted personnel management, and placing safeguards around workplace surveillance. Additionally, investing in research that prioritizes human-complementary AI technology and creating a federal consultative AI center of expertise can help lawmakers and officials better understand this technology. By taking these steps, we can harness data-driven technology to give power back to workers and create a more positive future for labor.

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