

Impact of Artificial Intelligence among Youth

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ABSTRACT

AI has played a major role in the digitalization of society as it has enabled us to collect processes and analyze large amounts of data at a faster rate than ever before, this has led to the creation of new technologies improved business processes and greater efficiency in many industries. AI algorithms play a significant role in shaping teenagers online experience, particularly on social media platforms, AI-driven algorithms curate content, suggest friends and personalize advertisements based on users preference and behavior. AI enhances teaching strategies by giving pupils a distinctive educational opportunity, AI interactions, students can access materials outside of the classroom and get real-time feedback, opening up new opportunities for learning and development in this mobile apps assist you like no other. AI can effectively improve teaching and learning in ECE, there studies are conducted and AI is used across these studies. Impacts on social and emotional development-Humans are social beings: AI tools might lead to over-reliance on technology and reduce human interaction, which in turn might lead to anxiety and depression. AI can dramatically improve the efficiencies of our workplaces and can augment the work humans can do, they are better equipped for-tasks that involve creativity and empathy among.

Keywords: Artificial Intelligence, Psychological aspects and Youth

I. INTRODUCTION

Ethical and Privacy Concerns teenagers need to be aware of how their data is being used and ensure responsible and ethical practices are in place. Educating teenagers about the ethical implications of AI and promoting digital citizenship is crucial to navigate these challenges. Impacts on society as artificial intelligence continues to transform the world we live in. Challenges to be faced artificial intelligence will definitely cause our workforce to evolve, AI algorithms must be built to align with the overarching goals of human. Positive impact of

artificial intelligence on society can dramatically improve the efficiencies of our workplace and can augment the work human can do, freed up from stressful commutes human will be able to spend their time in a variety of other ways. Facial recognition technology is becoming just as common as fingerprints, never plan interact with the modern world, your life will be significantly impacted by artificial intelligence and learning experiences and challenges to be faced as the technology rolls out into new applications have a more positive than negative impact on society. AI is crucial as it can process information much faster than humans, emergence of artificial intelligence as a revolutionary tool, transforming the way we live work and interact advanced technology. AI impact on youths will result in diminishing interpersonal and social skills with AI-powered virtual assistants and chatbots, young people may rely on AI systems for companionship, entertainment and problem-solving limiting their interactions with real people. Youth use different gadgets and devices for managing their daily schedules and responsibilities; widespread use of smartphone, tablets and personal computers has help adults. The common type of artificial intelligence present today is what experts call weak AI, AI processes the command to follow it and AI answer based on patterns and data gathered from its use. AI technologies revolutionize production across various industries; amplify productivity, efficiency, flexibility through machine learning algorithms. The advantage range from streamlining saving time, eliminating biases and automating repetitive tasks. Artificial intelligence is a method of making a computer, robot, computer-controlled and a software think intelligently like the human mind. Impact of AI replaces tedious or dangerous tasks the human workforce is liberated to focus on tasks for which they are more equipped.

ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI) refers to the stimulation or approximation of human intelligence in machines, goals of artificial intelligence include

computer-enhanced learning, reasoning and perception. John McCarthy is considered as the father of Artificial intelligence. John McCarthy was an American computer scientist, term “Artificial Intelligence” was coined by him; he is one of the founder of artificial intelligence. The term “mother of AI” is often used figuratively to refer to Ada Lovelace an English mathematician and writer who lived in the 19th century. She considered the first computer programmer and made significant contributions to the concept of artificial intelligence. As the type around AI has accelerated, vendors have been scrambling to promote how their products and services use it. AI requires a foundation of specialized hardware and software for writing and training machine learning algorithms. AI programming focuses on cognitive skills that include the following- **Learning-** This aspect of AI programming focuses on acquiring data and creating rules for how to turn it into actionable information, **Reasoning-** This aspect of AI programming focuses on choosing the right algorithm to reach a desired outcome, **Self-correction-** This aspect of AI programming is designed to continually fine-tune algorithms and ensure they provide the most accurate results possible, **Creativity-** Aspect of AI uses neural networks, rules-based systems, statistical methods and other AI techniques. Artificial intelligence is important for the potential to change, work and play, it has been effectively used in business to automate tasks done by humans, including customer service work, lead generation and quality control. Advantages and disadvantages of artificial intelligence AI neural networks and deep learning AI technologies are quickly evolving primarily because AI can process large amounts of data much faster and make predictions more accurately than humanly possible. AI applications using machine learning can take that data and quickly turn it into actionable information.

Disadvantages of AI

The following are some disadvantages of AI

- Expensive
- Requires deep technical expertise
- Limited supply of qualified workers to build AI tools
- Reflects the biases of its training data at scale
- Lack of ability to generalize from one task to another

Advantages of AI

The following are some advantages of AI

Good at detail-oriented jobs- AI has proven to be just as good, if not better than doctors at diagnosing certain cancers.

Reduced time for data-heavy tasks- AI is widely in data-heavy industries, including banking and securities and insurance, financial services use AI to process loan applications.

Saves labor and increases productivity during the pandemic and is expected to increase with the integration of AI and machine learning

Delivers consistent results best AI translation tools deliver high levels of consistency, offering even small businesses the ability to reach customers in their native language.

AI-powered virtual agents are always available- AI programs do not need to sleep or take breaks.

TYPES of ARTIFICIAL INTELLIGENCE

AI can be categorized into four types beginning with the task-specific intelligent systems in wide use today and progressing to sentient systems, the categories are as follow-

Reactive Machine- AI systems have no memory and are task-specific, deep blue can identify pieces on a chessboard and make predictions but because it has no memory.

Limited Memory- AI systems have memory so they can use past experiences to inform future decisions and functions in self-driving cars are designed this way.

Theory of Mind- Theory of mind is a psychology term, applied to AI means the system would have the social intelligence to understand emotions, human intentions and predict behavior a necessary skill for AI systems to become integral members of human teams.

Self-awareness- AI systems have a sense of self-consciousness, machine with self-awareness understand their own current state.

PSYCHOLOGICAL ASPECTS

Health and well-being in the clinical setting, AI powered technologies available through internet-enabled devices such as chatbots, deliver tailored mental health therapy to youth allowing for increased user engagement and access to therapeutic services. Artificial Intelligence in cognitive psychology in several ways to modeling cognitive processes. AI sometimes known as machine intelligence refers to the ability of computers to perform human-like feats of cognition including learning, problem-solving, speech, language, perception and decision-making. AI in emotive psychology-analyzing and predicting emotions are a fundamental aspect of human experience and psychologists have been interested in studying

them for centuries, instance, facial recognition software uses AI to identify human facial expressions, including happiness, sadness and anger or disgust. AI in cognitive psychology-simulating human cognition process and store information, AI-enabled technologies to develop models of human memory and attention which can be used to treat cognitive disorders such as dementia and attention deficit disorders. AI social psychology-modelingsocial interaction and behavior develop models of social interactions with others affect our thoughts feelings and behavior. AI can be used to influence social behavior and intelligent systems can be developed to target specific groups with persuasive messages. Artificial Intelligence approaches have recently been developed to support mental health professionals. Artificial Intelligence with human psychological cognition cannot only simulate the rational thinking of “brain” but also reproduce the perceptual thinking of ‘heart’ and realize the emotional-interaction between people and machines. AI affect anxiety some people may anxious when using AI systems because they are not sure how the system works or what outcomes to expect. Cognitive psychology has been very instructive for the development of AI design makes extensive reference to human cognitive models. The process of human mental activity is simulated in various is simulated in various aspects such as attention, memory and encoding. Psychological AI is the use of design machine algorithms as mentioned above by “psychological principles” every program or theory should state its domain and its limits.

ARTIFICIAL INTELLIGENCE FOR YOUTH

AI applications can help you develop new skills, improve vocabulary and increase your knowledge through tutoring sessions, AI systems need a lot of data to learn and sensitive personal data is collected. The responsible AI for youth programme is designed to reach out to students from government schools pan India and provide them with an opportunity to become part of the skilled workforce in an inclusive manner. Youth use different gadgets and devices for managing their daily schedules Disadvantage of AI on youth reduces students capacity for thought in school has numerous drawback, biggest one is that it reduces kids ability to think critically and increases their reliance on technology rather than teaching. AI is able to dynamically change course content, deliver real-time feedback and asses student engagement through interactive learning techniques outside of traditional schools. AI enhance teaching strategies

by giving pupils a distinctive educational opportunity, loss of human influence and lack in human functioning in some parts of society. AI has the potential to bring about numerous positive changes in society, including enhanced productivity, improved healthcare and increased access to education. Organized information, capabilities of AI systems in education, AI application as they help students locate solutions and answer with accessible dictionaries like google scholar and educational videos, personalized learning which develop courses and activities for student specifically tailored to their needs and interests based on information from student data. Emotional intelligence deficit is not disadvantage for a variety of reasons, mind is the absence of emotional intelligence, human or simply interacting with another person through personal contact. Digital technologies are increasingly being used for teaching and learning in the early years, youth in developing their language skills and focusing on technology enhanced ECE lack support from the curriculum theories. AI algorithms can also filter and verify information, empowering teenagers to make informed decisions and develop critical thinking skills, driving social impact teenagers are passionate about creating positive change in the world, cultivating problem-solving skills AI involves solving complex problems and designing algorithms.

II. CONCLUSION

Artificial intelligence has a profound impact on teenagers, providing exciting opportunities while presenting unique challenges, embracing AIs potential, youth can benefits from enhanced learning experiences, explore new career pathways and active contributions in shaping the future. AI on social media and prepare for the changing job market dynamics, opportunities and challenges thoughtfully, youth can maximize the benefits of AI and build a successful future in the digital age. AI has revolutionized the field of psychology in many ways, emotive to cognitive and social psychology, AI-enabled technologies have been used to develop new diagnostic tools and research methods that were not possible before, psychologists and AI expert to work together to ensure that these technologies are developed and used responsibly while maximizing their potential to improve human lives the world is counting on you for the next innovation. AI has a profound impact on youth can benefits from learning experiences; explore new career pathways and active contribution in shaping the future.

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