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YOUTH PERSPECTIVES ON ARTIFICIAL INTELLIGENCE AND AUTOMATION: OPPORTUNITIES AND CONCERNS

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ABSTRACT

Artificial Intelligence (AI) and Automation are rapidly resumed to global panorama, re -shaping the nature of industries, education and work. As those technologies continue to develop, it is very important to understand how young humans are - who forms the employees and management of luck - both understand the possibilities and demand conditions that they carry. This research paper examines children's approach to AI and automation, which specializes in their consciousness, expectations and apprehensions about these technology. Through the number one data chain and analysis, see a mixture of optimism and anxiety to well-known. While many young people see AI as a tool for innovation, performance and life penalty, in addition they clearly explain the need for job displacement, moral implications and appropriate laws. Conclusions emphasize the importance of equipped with important competencies and important thinking, which navigate the AI-Push future responsibly.

Keywords: Artificial intelligence, automation, youth perspective, technical changes, employment, morality, digital skills, future of work

Introduction

Technical Revolution, Artificial Intelligence (AI) and Auto Tomation, appearing disrupted in every area of the financial system in the twenty centuries. From self-useing vehicles and clever virtual assistants to automatic production and future algorithms, how this technical society works and how others live and painting are operating once more. As the tempo of exchange will increase, technical or economic parameters in advance the results of AI and automation - in addition they increase the necessary questions on morality, employment, school training and human identity. Many of the stakeholders suffering from this change play in a particular place. They are inheriting the effects of over-modern technical development-yet they are also taking a living role in shaping it. Their mentality, training and price will create an approach in which AI and Auto adopt tomorrow in society destiny. These new technologies observe the goals of exploring the vision of adolescents. Are they hope for AI's ability to decorate a lifestyle and resort to global problems? Or do they contain almost unemployed, privacy issues and moral concerns? It is important to understand such a view for policy makers, teachers and enterprise leaders who were looking for responsible innovation and compliance with holistic progress. By taking pictures and analyzing their voices, this study contributes to the big lecture in the work of promoting equity and durability for future pay generations.

Objectives of the Study

The primary aim of this study is to explore and analyze the perspectives of youth regarding the growing influence of Artificial Intelligence (AI) and automation in various aspects of life. With a focus on collecting firsthand data, this research seeks to understand both the opportunities and concerns that young individuals associate with these technologies. The specific objectives are:

1. To assess the level of awareness among youth about Artificial Intelligence and automation technologies.
2. To identify the perceived benefits and opportunities that AI and automation present to young individuals in education, employment, and daily life.
3. To examine the concerns and fears among youth related to job displacement, data privacy, ethics, and dependency on technology.

Literature Review

According to Russell and Norwig (2021), AI refers to the simulation of human intelligence processes by machines, especially computer systems, including education, logic and self-improvement. Their basic function provides the theoretical basis to understand how intelligent systems work and how they can apply to different domains. Nick Bostrom (2014) takes a more philosophical and forward -looking approach, warning about the risks of long -term existence of superintendent systems. It emphasizes that when AI promises great awards, it must develop with caution and moral observation to prevent unwanted results.

Kaplan (2016) provides an accessible overview of AI for general audience and policy makers. It highlights the importance of public awareness and understanding, especially in youths who are users and manufacturers of this technology. Reports of organizations such as MK Kinse & Company (2023)

and the World Economic Forum (2023) show the deep impact of AI on the global labor market. They predict a change in demand from manual and regular jobs of essential roles of digital, analytical and creative skills - young people should be equipped with new abilities to stay competitive. IBM (2022) Resources A.I. How more and more embedded in everyday life, VOICE expands from assistants to recommended systems. It emphasizes the need for digital literacy and awareness to ensure that users, especially a small population, are associated with these tools responsibly and effectively. PWC (2023) discovers how AI is changing the workplace, emphasizing the dual challenge of job displacement and job making. Their research shows that when some roles may be obsolete, new opportunities will be emerge - especially

Research Methodology

This section outlines the research design, data collection method, sampling technique, and tools used for data analysis in the study of how Artificial Intelligence (AI) influences investment decisions.

1. Research Design

The research follows a *descriptive research design*, which is appropriate for studying the awareness, usage, and influence of AI on investors' decisions. It aims to collect and describe relevant primary data to assess patterns and perceptions among individual investors.

2. Research Approach

The study adopts a *quantitative research approach*, using structured questionnaires to gather measurable data from a targeted sample group. This approach helps in obtaining objective, statistical insights into the role of AI in investment decision-making.

3. Source of Data

- *Primary Data:* Collected directly from individual investors through a self-administered questionnaire.
- *Secondary Data:* Reviewed from published literature, journal articles, books, websites, and reports (as detailed in the Literature Review).

4. Data Collection Tool

A *structured questionnaire* was designed based on the study's objectives. The questionnaire includes close-ended questions divided into four sections:

- Demographics
- Awareness and understanding of AI
- Usage of AI-based investment tools

5. Sample Size

The research is based on responses from a *sample size of 100 investors*. This number was deemed sufficient to draw statistically relevant conclusions within the scope of this study.

6. Sampling Technique

A *non-probability convenience sampling* method was used. Participants were selected based on accessibility and willingness to respond, which is appropriate for exploratory primary research with time and resource constraints.

7. Target Population

The target population includes *individual investors* from various professions, age groups, and experience levels who are engaged in investing in financial markets.

8. Data Analysis Techniques

The collected data was analyzed using:

- *Frequency distribution tables*
- *Percentage analysis*: These tools enabled interpretation of patterns and behaviors in relation to AI adoption and its influence on investment decisions.

Data Analysis & Interpretation

Section A: Awareness of AI and Automation

1. Are you aware of what Artificial Intelligence (AI) and automation mean?

Particular	No. of Respondents	Percentage
Yes	72	72%
No	10	10%
Somewhat	18	18%

Interpretation:
The majority of respondents (72%) are aware of what AI and automation mean, indicating a relatively high level of general awareness among youth. However, 28% either lack awareness or have only partial understanding, highlighting a need for more educational outreach.

2. From where have you primarily learned about AI and automation? (Multiple responses allowed)

Particular	No. of Respondents	Percentage
School/College	60	60%
Social Media	50	50%
News/Articles	35	35%
Online Courses	25	25%
Friends/Peers	30	30%
Others	5	5%

Interpretation:
Most youth have learned about AI and automation through formal education (60%) and social media (50%). This shows that both academic institutions and informal digital platforms play key roles in spreading awareness. Online courses and peer influence also contribute significantly.

Section B: Perceived Opportunities and Benefits

3. In which areas do you think AI and automation offer the most benefit for youth? (Multiple responses allowed)

Particular	No. of Respondents	Percentage
Education	70	70%
Employment	65	65%
Healthcare	30	30%
Transportation	25	25%
Daily Life	60	60%
Others	5	5%

Interpretation:
Education (70%) and employment (65%) are seen as the top sectors where AI and automation benefit youth. A significant portion (60%) also acknowledges improvements in daily life, suggesting youth recognize broad practical applications of these technologies.

4. Do you believe AI and automation will create more job opportunities for youth in the future?

Particular	No. of Respondents	Percentage
Yes	48	48%
No	30	30%
Not Sure	22	22%

Interpretation:
Opinions are divided, with 48% believing AI will create job opportunities. However, a significant 30% are skeptical, and 22% remain unsure, indicating uncertainty among youth about AI's impact on future employment.

Section C: Concerns and Fears

5. What concerns you most about the rise of AI and automation? (Select up to two)

Particular	No. of Respondents	Percentage
Job Loss/Unemployment	60	60%
Lack of Human Control	35	35%
Data Privacy Issues	40	40%

Ethical Misuse	30	30%
Reduced Interaction	20	20%
Others	5	5%

Interpretation:
Job loss (60%) is the top concern among youth, followed by data privacy (40%) and lack of control (35%). These findings highlight a cautious outlook regarding the social and ethical consequences of AI and automation.

6. Do you feel that you are being adequately prepared (through education or training) to adapt to a future with AI and automation?

Particular	No. of Respondents	Percentage
Yes	40	40%
No	38	38%
Somewhat	22	22%

Interpretation:
Only 40% of respondents feel adequately prepared, while 38% feel unprepared and 22% are uncertain. This suggests a need for enhanced curriculum and training programs to equip youth for an AI-driven future.

Findings

- High awareness but unequal understanding: AI and automation concepts are well known for most young people; However, 28% partially understand understanding or lack of awareness. This indicates the need for more intensive engagement with technologies.
- Primary Source of Information: Respondence mainly cited AI and information sources for automation and interact with news articles, online courses and peers with automation as school and social media with 60% and 50% respectively. This indicates that both education and digital sectors play an important role in their subjects understanding
- AI and Automation Accepted professionals: AI and most perceived benefits of automation are in education (70%) and employment (65%), showing that young people associate these techniques with self-development and future career opportunities. The increase in daily life (60%) of individuals also ranks high.
- Speculation about new opportunities: The biggest lack of consensus is with the question of whether AI and automation will create new jobs. Only 48% of the survey respondents believe that more jobs will be available while 30% believe that the opposite and 22% were unspecified. This reflects uncertainty in technical changes on future employment.
- Major issues - Employment termination and data protection: Unemployment (60%) emerges as a major issue of concern for young people, while the privacy of data (40%) and absence of human supervision (35%) follows it. Inadequate interaction and immoral exploitation were noted as less problems, but still important.

Conclusion

The studies aimed to discover and apprehend how these days's teenagers recognize the short advancement of Artificial Intelligence (AI) and automation, specializing in each the opportunities those generation gift and the issues they boom. Based at the number one statistics collected from 100 respondents, it is apparent that whilst the majority of teens are aware of AI and automation, there exists a outstanding model huge of records and preparedness. Youth in large part view AI and automation as useful, mainly in regions which encompass training, employment, and normal comfort. These generation are seen as equipment for innovation and boom, with huge potential to decorate studying and create new profession paths. However, this optimism is tempered through way of way of tremendous concerns approximately task displacement, information privateness, ethical misuse, and the reduction of human control and interplay. Another vital perception from the look at is the perceived lack of adequate schooling to face an AI-pushed destiny. Many greater younger people enjoy that modern-day educational and training structures are not sufficiently equipping them with the critical capabilities to thrive in a especially automated and AI-covered international. In prevent, the check highlights the need for a balanced method—one which embraces the transformative energy of AI on the identical time as additionally addressing the moral, social, and academic stressful situations it brings. Engaging more youthful people in this communicate and empowering them with the proper gadget and data is vital for constructing an inclusive and accountable technological future.

BIBLIOGRAPHY

- Russell, S., & Norvig, P. (2021). *Artificial Intelligence: A Modern Approach* (4th ed.). Pearson Education.
- Bostrom, N. (2014). *Superintelligence: Paths, Dangers, Strategies*. Oxford University Press.
- Kaplan, J. (2016). *Artificial Intelligence: What Everyone Needs to Know*. Oxford University Press.
- McKinsey & Company. (2023). *The Future of Work After COVID-19*. Retrieved from: https://www.mckinsey.com
- World Economic Forum. (2023). *The Future of Jobs Report 2023*. Retrieved from: https://www.weforum.org/reports/future-of-jobs-report-2023
- IBM. (2022). *What is Artificial Intelligence (AI)?* Retrieved from: https://www.ibm.com/cloud/learn/what-is-artificial-intelligence
- PwC. (2023). *AI and the Workforce: How Artificial Intelligence is Changing Work*. Retrieved from: https://www.pwc.com

- FutureLearn. (2022). *Understanding AI and its Impact on Society*. Retrieved from: https://www.futurelearn.com