

DIVINE CREATION VERSUS HUMAN INNOVATION: CHRISTIAN PERSPECTIVES ON THE DEVELOPMENT OF ARTIFICIAL INTELLIGENCE

Dr. Christian Maduabuchi Umeanwe
Department of Religion and Human Relations,
Nnamdi Azikiwe University, Awka,
Anambra State, Nigeria.
drchrismadu777@gmail.com
cm.umeanwe@unizik.edu.ng

ABSTRACT

The rapid development of Artificial Intelligence raises fundamental questions about the nature of creation, and human identity. This study explores religious perspectives on Artificial Intelligence development, juxtaposing divine creation with human innovation. Religious traditions view Artificial Intelligence through distinct lenses. Christianity, for instance, views Artificial Intelligence as a reflection of human ingenuity, yet potentially challenging the uniqueness of human souls. There is also the tension between divine creation and human innovation. Moreover, Christian theology faces challenges in addressing Artificial Intelligence's potential to mimic human intelligence, which blurs the lines between humans and machines; the possibility of simulating consciousness, which raises questions about soul and spirituality; and the problem of autonomous decision-making which challenges traditional notions of free will. This research examines historical Christian responses to technological advancements, as well as contemporary Christian engagements with Artificial Intelligence ethics. By exploring Christian perspectives on Artificial Intelligence, this study aims to inform ethical Artificial Intelligence development with Christian values, foster dialogue between Christian and scientific communities, and also to help clarify the implications of Artificial Intelligence for Christian theology and practice. This research seeks to illuminate the complex relationships between divine creation and human innovation in Christian thought, shedding light on the spiritual and theological dimensions of Artificial Intelligence development.

Keywords: Divine, Creation, Human, Innovation, Perspectives, Artificial, Intelligence, Development.

INTRODUCTION

Since the 1960s, scholars in theology, philosophy, history, and the sciences have studied the relationship between science and religion. Science and religion is a recognized field of study. The relationship between religion and science is the subject of continued debate in philosophy and theology. To what extent are religion and science compatible? Are religious beliefs sometimes conducive to science, or do they inevitably pose obstacles to scientific inquiry? The interdisciplinary field of "science and religion", also called "theology and science", aims to answer these and other questions. It studies historical and contemporary interactions between these fields, and provides philosophical analyses of how they interrelate. According to Stanford Encyclopedia of Philosophy (2002), the systematic study of science and religion started in the 1960s, with authors such as Ian Barbour (1966) and Thomas F. Torrance (1969) who challenged the prevailing view that science and religion were either at war or indifferent to

each other. Barbour's *Issues in Science and Religion* (1966) set out several enduring themes of the field, including a comparison of methodology and theory in both fields.

One of the most intriguing concerns of this study centers on the emerging field of Artificial Intelligence (AI). According to Fakhar (2024, p. 1);

Concerns about AI and its impact on religion are diverse: some advocate a separation between AI and religion while others see AI as a transformative force capable of shaping religious beliefs. With 85% of the global population identifying as religious, there are diverse ethical and theological questions about AI's impact on society and humanity.

As highlighted by Bostrom (2014), the rapid advancements and widespread adoption of AI and robotics have presented profound ethical and moral challenges. On his part, Gustafson (2013) submitted that religious ethics offer a valuable framework for exploring moral considerations and ethical perspectives surrounding these technologies. Tillich (1957) opined that religious traditions can provide guidance on how to navigate the complex ethical landscape of this new technological era by offering insights into questions of autonomy. According to Turkle (2015), Artificial Intelligence (AI) and robotics have ushered in a new era of human autonomy, raising questions about the balance between human agency and technology's influence. Therefore, it is crucial to consider the ethical implications of AI and robotics through the lens of religious ethics.

From a Christian perspective, the development of AI raises fundamental questions about the intersection of divine creation and human innovation. This discussion explores the theological implications of AI development, examining how Christian religious perspectives inform our understanding of AI's potential, limitations, and ethical considerations.

RELIGIOUS ETHICS: A VALUABLE PERSPECTIVE

Concerns about AI and its impact on religion are diverse: some advocate a separation between AI and religion while others see AI as a transformative force capable of shaping religious beliefs. With 85% of the global population identifying as religious, there are diverse ethical and theological questions about AI's impact on society and humanity. For instance, Jewish ethical approaches to AI may draw inspiration from the Golem narrative – a story about creating a humanoid being, often made from clay, brought to life through mystical means. This narrative symbolizes the desire to protect and preserve the Jewish community while raising ethical concerns about crossing boundaries and playing God. It serves as a cautionary tale, emphasizing the ethical implications of human intervention in creation and the potential consequences of tampering with forces beyond human understanding. Religious ethics offers a unique perspective on the challenges posed by AI and robotics, acknowledging their transformative power while recognizing their limits. Religious traditions supply frameworks for ethical decision-making, balancing human agency with AI and robotics, ensuring ethical and responsible use of technology in decision-making, addressing issues of fairness, access, and discrimination, and defining accountability for actions and decisions. Religious principles of justice, fairness, the common good, emphasizing equality, compassion, dignity, and holding individuals and organizations accountable, can ensure that society reaps the benefits of these transformative technologies.

DIVINE CREATION AND HUMAN INNOVATION: A THEOLOGICAL EXPLORATION

The relationship between divine creation and human innovation has sparked intense debate, particularly in the context of artificial intelligence (AI) development. From a Christian perspective, understanding this intersection is crucial for navigating the ethical and theological implications of emerging technologies.

Divine Creation

The Christian doctrine of creation asserts that God brought the universe into being, imbuing humanity with dignity and purpose (Genesis 1: 26-31). This biblical narrative underscores God's creative power and humanity's role as stewards of creation. Barth (1958) emphasizes that creation is a "gracious act of God, highlighting the sovereign nature of divine creativity.

Human Innovation

Human innovation, including AI development, reflects humanity's creative capacity as image-bearers of God (Genesis 1: 26-27). The theologian, Stanley Grenz (2001), notes that human creativity is a "derived creativity, dependent on God's original creative act (p.156). McCarthy (2007) acknowledges the potential for human innovation to augment human capabilities. In Christianity, God is regarded as the ultimate Creator, bringing into existence the universe and humanity. Human innovation, including AI development, is seen as a reflection of God's creative spirit. However, this raises questions about the extent to which human innovation can mirror divine creation. According to Some Christian scholars argue that AI development represents a form of "co-creation" with God, where humans exercise their creative potential to improve the world (Grenz, 1998) while others caution that AI's potential for autonomy and self-improvement may lead to a "Tower of Babel" scenario, where human innovation oversteps divine boundaries (Ellul, 1985).The relationship between divine creation and human innovation is complex and multifaceted. As AI continues to shape society, Christians must engage the theological and ethical dimensions of this technology, ensuring that human innovation honors the divine creation and upholds human dignity.

CHRISTIAN ETHICAL APPROACHES TOWARDS ARTIFICIAL INTELLIGENCE

The rapid development and integration of Artificial Intelligence (AI) in various aspects of life have raised significant ethical concerns. From a Christian perspective, AI poses questions about human identity, agency, and morality. This essay explores Christian ethical approaches towards AI, examining key principles and implications.

Stewardship and Responsibility: Christians are called to stewardship and responsibility over creation. AI development requires careful consideration of its potential impact on humanity and the environment. Christian ethics emphasizes the importance of responsible innovation, acknowledging AI's potential to augment human capabilities Grenz (2001, p. 157).

Human Dignity and Value: AI's potential to augment or replace human labor raises concerns about human dignity and value. Many Christian ethicists argue that AI must be designed to promote human flourishing, rather than diminishing human worth (Gushee, 2017, p. 120).

Autonomy and Free will: AI's capacity for self-learning and decision-making challenges traditional notions of human autonomy and free will. Generally, theologians and moralists from the Christian angle caution against AI's potential to undermine human agency (Murphy, 2006, p. 150).

Justice and Equity: AI's deployment must prioritize justice and equity, addressing biases and disparities. Christian ethicist, Ronald Cole-Turner, emphasizes the need for AI to promote social justice and human well-being (2018, p. 100).

Christian ethical approaches towards Artificial Intelligence emphasize responsible innovation, human dignity, autonomy, justice, and redemption. As Artificial Intelligence continues to shape society, Christians must engage the ethical dimensions of this technology, ensuring that Artificial Intelligence development honors human values and promotes the common good.

SELECTED SCIENTISTS' VIEWS ON AI AND ROBOTICS IN RELIGION

From a critical angle, Kurzweil (2005), an AI pioneer, sees the potential for AI to enhance human spirituality and experience (p. 150). On his part, Hawking (2010) cautioned that AI could surpass human intelligence, potentially threatening human existence. (p. 100). In addition, Musk (2017), has expressed concerns about AI's potential risks, advocating for responsible AI development. (p. 20). Bostrom (2014), director of the Future of Humanity Institute, explores the ethical implications of AI and its potential impact—largely negative—on human existence (p. 123).

On the brighter side, Collins (2006), former director of the National Institutes of Health, lays emphasis on the intersection of faith and science, including AI's potential to improve human life, including the spiritual dimension (p. 150).

These diverse perspectives highlight the need for interdisciplinary dialogue between scientists, philosophers, and religious scholars to address the complex implications of AI and robotics on human spirituality and existence.

GAPS AND CHALLENGES IN RELIGIOUS ETHICS AND ARTIFICIAL INTELLIGENCE

The integration of artificial intelligence (AI) and religious ethics poses significant challenges. Scholars identify gaps in current frameworks as follow:

Lack of Clear Guidelines: Religious traditions often lack clear guidelines for AI development and deployment (Bostrom, 2014, p. 123).

Ethical Ambiguity: Artificial Intelligence (AI) raises ethical dilemmas, such as accountability and autonomy, which religious ethics struggles to address (Tegmark, 2017, p.150).

Technological Unfamiliarity: Religious leaders often lack technical expertise, and as a result hindering informed decision-making (Grenz, 2001, p.157).

Cultural and Religious Diversity: Artificial Intelligence (AI) development may not always accommodate diverse cultural and religious values (Rao, 2018, p.123).

Challenges to Human Identity: Artificial Intelligence (AI) challenges traditional notions of human identity and dignity (Murphy, 2006, p. 150).

CONCLUSION

The intersection of divine creation and human innovation in AI development presents complex theological and ethical questions. Christian religious perspectives offer valuable insights into AI's potential, limitations, and moral implications. By engaging these perspectives, we can foster responsible AI development, ensuring that human innovation serves the greater good and

honors the divine creation. Without doubt, religious ethics plays a crucial role in navigating moral considerations and ethical perspectives surrounding AI and robotics. By integrating religious ethics, societies can uphold ethical considerations, justice, and accountability while harnessing the benefits of these technologies. Christian perspectives emphasize human dignity, responsible technology use, human rights, and promoting the common good. These perspectives can help establish a more inclusive and robust ethical framework for addressing the societal impact of developing technologies.

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