

# Artificial Intelligence and Gender-Based Violence

## Outline

(1) Introduction

(2) How Artificial Intelligence has Contributed in Promoting Gender-Based Violence:

(2.1) Generation of deepfakes often leads toward gender-based violence.   
 these cause

(2.2) Generating and spreading non-consensual content

(2.3) Promoting Technological-Facilitated Gender-Based Violence (TFGBV)

(2.4) Biasness in AI Algorithms is a prerequisite to gender-based violence

(2.5) Misinterpretation of input data

(2.6) Lack of credibility in criminal justice system

(2.7) Misidentification in recognition process especially in facial recognition.

(2.8) Exploitation in content moderation

(2.9) Inefficiency in surveillance and control

(2.10) Spreading misogynistic language with the collaboration of Artificial Intelligence

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and dark web for the sake of online harassment.

(2.11) Weak data security given by developers of AI, leading towards the compromised situation of privacy.

(2.12) Manipulating the original information at so-called dating applications.

(2.13) Promoting harmful gender stereotypes.

### (3) Solutions to Cope With AI-facilitated Gender-based Violence:

(3.1) Technological companies and developers should ensure the freedom of civil rights and political rights, by formulating and regulating strict surveillance on unethical use of AI.

(3.2) Installation of Content Moderation Technology (CMT) to mitigate the effects of gender-based violence.

(4) Conclusion

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It is said that world in 21<sup>st</sup> century is experiencing "Fourth Industrial Revolution", in which the role of technology is very crucial. In this regard, Artificial Intelligence (AI) has gained too much importance which is evident from the fact that all countries of the world are shifting towards the Artificial Intelligence. It has other noticeable side as well; the intersection of Artificial Intelligence and Gender-Based Violence (GBV) is the Point of Concern these days. Artificial Intelligence (AI) is the technology that enables computers and machines to stimulate human learning, comprehension, productivity, autonomy, and decision making while, Gender-Based violence (GBV) can be depicted as the violence directed against a person due to his or her gender. There are many factors like generation of deepfakes and non-consensual contents are contributing in promoting GBV. Along with, biasness in AI arithmetics, misinterpretation of input data,

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and lack of Credibility in Criminal justice, have promoted the Gender-based violence. Furthermore, exploitation in Content moderation, inefficiency in Surveillance and Control, and manipulating the Original information on so-called dating apps are paving the way of Gender-Based Violence (GBV). To cope with this issue, there are some solutions as well like technological Companies and developers should ensure the Civil rights of freedom by installation of specific technology. Therefore, it is evident from the number of factors that AI has contributed in promoting Gender-Based violence.

Generation of deepfakes is the foremost factor that shows that AI has contributed in promoting GBV. Deepfakes can be depicted as the data, either visual or audio, is tempered in such a way that it looks like a real data. Generation of deepfakes in this era of modernity in any society, cast a shadow on the progress of society, because it haoms the intellectual property rights

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and freedom of movement. Especially, female journalists and politicians are mostly affected from this technology. According to Sahar Bandhial, 98 Percent of women are affected by deepfake technology by just 7 Percent men in comparison. ~~It shows that generation of deepfakes is leading towards Gender-Based violence.~~

Furthermore, Generation and spreading of non-Consensual content is another argument that shows that AI has normalized GBV. Non-Consensual content can be described as advertisement which is related with a famed personality or any individual without his or her consent. ~~This approach has created a sense of insecurity and de-stabilization in the minds of masses, especially women.~~ In this regard, some celebrities of the Hollywood protested in 2023 due to ~~non-Consensual content or AI replicas at some motion picture studio.~~ Hence generation and spreading of the non-Consensual AI developed replicas is proving that AI has stabilized the

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Gender-Based Violence (GBV).

Moreover, Promotion of Technological-Facilitated Gender-Based Violence (TFGBV) has proved the role of AI in spreading and normalizing Technological-Based Gender Violence which is often called Technological-Facilitated Gender-Based violence, is a technological driven content that is not original, but in tempered form. In recent years, TFGBV has influenced the society which is not good for the modern day democratic structures. According to PEW research center, USA; 99 percent technological-driven data of women is associated with pornography which shows the marginalization of women in this age of technology. Hence, Technological-Facilitated Gender-Based violence has contributed in promoting Gender-Based violence (GBV).

In addition to, biasness in Artificial Intelligence (AI) arithmetics, is another factor showing role of AI in promoting GBV. Biasness in AI arithmetics can be explained as the

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developing the AI chatbots on the basis of gender-based codes. The developers often put the codes in these chatbots which are predominantly male-hegemonic, showing the women as culturally marginalized. According to Norvaigon web developer, installation of certain codes while developing AI chatbot, shows exactly same as the commands given by the developer which is evidently male-centric. That is why biasness in AI arithmetics is promoting Gender-Based Violence (GBV).

Furthermore, misinterpretation of input data by AI chatbots sometimes is another factor that show that AI has contributed in promoting GBV. when there is some spyware and spans within system, the AI chatbot sometimes, loss its control to decode the given structure. Due to this, generation of the mis-interpreted data, sometimes used for the marginalization and exploitation of specific genders. This creates a sense of instability within the

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Society, leading towards gender-based violence. For instance, this misinterpretation is used to blackmailing professionals specifically, according to some researchers. Hence, misinterpretation of input data has also resulted in promoting Gender-Based Violence (GBV).

Moreover, lack of credibility in criminal justice system has also resulted in normalizing Gender-Based Violence (GBV). Use of AI in criminal justice system is very common in some of the developed countries. But, it has negative impacts as well in a sense that sometimes, false identification and misinterpretation of evidences of criminality starts victim blaming. Not only women, but also men are being influenced by the use of AI in criminal justice system. ~~They feel insecure in a society where injustice prevails. There was a criminal case in Hungary in which, due to technological lapses the criminal was declared innocent while innocent was given punishment.~~ Hence, wrong approach to probe a victim

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by AI is leading towards GBV.

Furthermore, misidentification in facial recognition is another factor that shows that AI has resulted in promoting GBV. Facial recognition can be depicted as the ability to recognize a living organism according to inheritance patterns present in eye. This factor also created hurdles in free movement of the society. AI sometimes, misidentify a person that leads toward deep consequences. Robbery in banking systems and hacking of websites is best example of this type of GBV in which wrong IP address results in conviction of genders related to LGBTQ<sup>+</sup>. Hence, facial misidentification can also leads towards GBV.

In addition, exploitation in content moderation is another factor that has resulted Gender-Based Violence GBV due to Artificial Intelligence (AI). exploitation in content moderation can be described as changings in AI-driven generated data. This factor then leads towards the blackmailing of

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Specific genders especially LGBTQ.  
It generates and spreads misogynous  
contents of women in order to  
exploit and marginalize them and  
demand for money. According to a  
Women Foundation in UK, 300 women are  
harassed online in a year. This cond-

ition of exploitation and marginalization  
of women leads the society towards the  
darkness. Hence, ~~exploitation in~~ Content  
moderation shows that AI has resulted  
in ~~gender-based violence~~.

Moreover, inefficiency in the  
surveillance and control is another  
dimension which shows that AI has  
contributed in spreading Gender-Based  
Violence (GBV). Inefficiency in the  
surveillance and control can be depicted  
as the inability of technology to  
control the technology-driven misogynous  
data for the betterment of genders,  
especially women, because women are  
the most affected class of society by  
AI-facilitated gender-based violence.

Moreover, inability to regulate strict

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Surveillance on digital Criminal is also a Point of defection. Even, meta, and TikTok are not able to regulate surveillance on such Criminals. This is evident from the jurisdiction of American Criminal Court in which, the judge issued the orders to the founders of meta and TikTok to control the data that harms the privacy of children and women last year. Hence, inefficiency in surveillance and control on data Criminals, shows that AI has contributed in influencing and spreading of GBV.

Furthermore, spreading misogynistic language with the collaboration of the Artificial Intelligence (AI) and dark web for the sake of Online Harassment and blackmailing, is another factor that shows that AI is promoting gender-based violence. Collaboration of AI and dark can be examined as the data structure in such a way that someone is blackmailed and harassed easily. These tactics are being used

by some persons to marginalize and exploit genders especially women. It shows the dark reality of misogynous mindset of some perpetrators. In this regard, noble prize winner of peace of Phillipines Maria Ressa has decried these shameful acts to marginalize the women of world. This online harassment of women is a hurdle in freedom of rights and progress of the society and country. Hence, spreading of misogynous language via AI and dark web shows that AI is promoting GBV.

In addition, weak data security given by developers of AI, leading towards the compromise of privacy, is another argument that shows that AI has contributed in perpetuating the gender-based violence. Weak data security can be depicted as weak passwords to some personal websites and applications. These weak passwords are easily vanished by perpetrators and get access to personal data; leading towards privacy concerns. Mostly perpetrators use this

Pirated data for the exploitation of women. According to UNESCO, 73 percent of women journalists are affected by these privacy concerns. Hence, weak data security given by developers of AI shows that role of AI is responsible for gender-based violence.

Moreover, manipulation of original information at so-called dating applications, is another dimension that shows that AI has contributed in perpetuating gender-based violence. Manipulation of originality at dating applications can be followed as conveying the false information in dating application for the sake of relationships and match making. After the relationships and match making, the male often shows his brutality by his psychological disorders. In this regard, according to a research, 0.3 million women are betrayed by online dating applications worldwide and half of them face brutal marital rape. This condition of exploitation of women leads a country towards chaos and

social turmoil. Hence, manipulation of original information at so-called dating apps shows that AI is promoting GBV.

Furthermore, last but not least, promoting harmful gender stereotypes is another argument that shows that AI has resulted in perpetuating the gender-based violence. Stereotypes are predominantly beliefs and norms that are used to exploit and marginalize the women in a specific society. Such strong stereotypes are creating hurdles in smooth flow of prosperous society or even a country. It is evident that Artificial intelligence (AI) has no feelings and emotions. That is why AI has no cultural norms and beliefs, leads towards predominantly generated stereotype which are mostly against the women. That is why women are unemployed and uneducated in South Asia and South East Asia. Honor killings, rape, murders and defamation of women are the results of these stereotypes. Hence it leads towards DV.

Despite of such exploiting and marginalizing factors, there are some solutions to cope with AI-facilitated Gender-Based Violence (GBV). Initially, technological companies and their developers should ensure the freedom of civil rights and political rights of genders especially women, by formulating and regulating strict surveillance on unethical use of AI. In this regard European Union's AI policy should be implemented throughout the world in which EU has marked the need of preservation of freedom of rights.

Also, there should be the installation of Content Moderation Technology (CMT) to mitigate the effect of Gender-Based violence (GBV). This will protect basic human rights by preserving the privacy of genders. In this regard white house also issued some recommendations to protect basic human rights and intellectual property rights when a website of Pentagon was hacked by Iranian group. Hence, by installing Content

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moderation technology, the effect of gender-based violence can be mitigated.

In conclusion, Generation of deepfakes and non-consensual content, biasness in AI arithmetics, spreading of AI-driven misogynous language, along with other factors show that AI has resulted in promoting the Gender-Based Violence (GBV). It shows that AI is a double-edge sword implies that it has positive as well as negative impacts on the progress of a country. Due to AI-driven gender-based violence, the genders, especially women and transgenders feel insecurity and injustice and remained unemployed and uneducated, leads a society towards social injustice and social turmoil. Hence, AI driven GBV casts a shadow over the progress of smooth society.