

Artificial Intelligence's Advantages and Disadvantages in Terms of Cybersecurity and Phishing Attacks

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Abstract: *As artificial intelligence continues to develop and expand, there is a growing need for protection and security. While there are positive applications of AI, there are also negative ones. Analogous to phishing attacks that are getting progressively complex and delicate to descry. presently, AI helps us sludge incoming emails effectively and safely. Still, this composition aims to raise public awareness about implicit new and more sophisticated risks, as well as easier methods for detecting implicit risks in cyberspace. Attackers who use AI can exploit audio and visual information to deceive stoners and gain access to requested information or data.*

Keywords: artificial intelligence, phishing attacks, cyberspace, social engineering.

REFERENCES

- [1] Duplico.io. Phishing napadi: koj esvevrstepostojeikakoihpreno znati? .[https://duplico .io/phishing-napadi-koj e-svevrstepostoje-i-kako-ih-preno-znati/](https://duplico.io/phishing-napadi-koj-esvevrstepostoje-i-kako-ih-preno-znati/) . 2021.
- [2] INTERPOL. 2022 INTERPOL global crime trend summary re port. [https://www.interpol.int/content/download / 18212/304202/ file/2022_Interpol_Global_Crime_Trends_Summary_Report. pdf](https://www.interpol.int/content/download/18212/304202/file/2022_Interpol_Global_Crime_Trends_Summary_Report.pdf) 2022
- [3] J. T.Minkus and N. Memon. Leveraging Personalization to Facilitate Privacy .[https://papers. ssm.com/ sol3/papers.cfm ?ab stract id244802](https://papers.ssm.com/sol3/papers.cfm?abstractid=244802). 2014.
- [4] The Guardian. AI chatbots making it harder to spot phishing emails, say experts. [https://www.theguardian.com /technolo gy/2023/mar/29/ai-chatbots-making-it-harder-to-spot-phishing emails-say-experts](https://www.theguardian.com/technology/2023/mar/29/ai-chatbots-making-it-harder-to-spot-phishing-emails-say-experts). 2023.
- [5] Help net Security. Sophistication of phishing emails. [https:// www.helpnetsecurity.com /2023/03/ 08/ sophistication-of-phish ing-emails/](https://www.helpnetsecurity.com/2023/03/08/sophistication-of-phishing-emails/). 2023.
- [6] Terranova, M. Smishing Examples: What They Are and How to Stay Safe. TelrnNova Security. [https://terrnovasecurity.com / smishing-example s/](https://terrnovasecurity.com/smishing-examples/) . 2022.
- [7] F. Enos, S. Benus, R. L. Cautin, M. Graciarena, J. Hirschberg , and E. Shriberg. Personality Factors in Human Deception De tection: Comparing Human to Machine Performance. INTER SPEECH - ISLP, 2006.
- [8] EUROPOL. Digital skimming. [https://www.europol.europa.eu / crime-areas-and-statistics/crime-areas/cybercrime](https://www.europol.europa.eu/crime-areas-and-statistics/crime-areas/cybercrime). 2019.
- [9] IT Governance. The 5 most common types of phishing attack. [https:// www.itgovernance.eu / blog/ en/ the-5-most-common types-of-phishing-attack # :text Smishing%20and%20vish ing&text One%20of"/o20the%20most%20common ,link%20 to%20prevent%20further%20damage](https://www.itgovernance.eu/blog/en/the-5-most-common-types-of-phishing-attack#:~:text=Smishing%20and%20vishing&text=One%20of%20the%20most%20common,link%20to%20prevent%20further%20damage). 2019.