

THE EMERGING TRENDS OF ONLINE ROMANCE FRAUD IN THE ERA OF ARTIFICIAL INTELLIGENCE

Abstract: The advent of the internet and the proliferation of artificial intelligence (AI) technologies have revolutionized various aspects of human life, including the way individuals form and maintain relationships. One significant consequence of this technological advancement is the rise of online romance fraud. This paper aims to explore the emerging trends of online romance fraud and its correlation with the increasing integration of AI in the digital landscape. Online romance fraud refers to a type of cybercrime where perpetrators create deceptive personas to establish fake romantic relationships with unsuspecting victims online. These fraudsters exploit emotional vulnerabilities, trust, and anonymity in virtual interactions to defraud victims of their money and personal information. With the growing sophistication of AI algorithms, fraudsters have access to powerful tools that enable them to craft more convincing and realistic personas, increasing the success rates of their fraudulent activities. This research paper will investigate the techniques used by fraudsters, the psychological and emotional manipulation tactics employed, and the impact of AI on enhancing the deception. Additionally, we will delve into the various social and economic factors that contribute to the vulnerability of victims, shedding light on the human aspects of the crime. To combat this ever-evolving threat, we will discuss potential technological and regulatory measures that can be implemented to detect and prevent online romance fraud effectively. This includes the development of AI-driven fraud detection systems, raising public awareness, and encouraging responsible online behaviour. The study draws on a comprehensive analysis of existing literature, real-world case studies, and insights from cybersecurity and AI experts. By understanding the emerging trends of online romance fraud and the role of AI in perpetrating these crimes, this paper aims to equip individuals, law enforcement agencies, and technology providers with valuable knowledge to create a safer digital environment. Only through a collective effort can we mitigate the risks and protect individuals from falling victim to online romance fraud in the era of artificial intelligence.

Keywords: Cybercrime, Romance fraud, Artificial Intelligence, Sextortion.

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