

Lecture Notes in Networks and Systems 1148

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Proceedings of 5th International Ethical Hacking Conference

Leveraging AI to Law (eHaCON 2024)

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Leveraging AI in Prevention and Protection of Women Against Cybercrime in India: A Paradigm Shift of Criminal Law in the Making



Alice Dey and Sadhan Kumar Dey

Abstract Innovative strategies are required for the efficient prevention and defense of legal rights considering the serious problems that the growth of cybercrime has presented to established legal systems in recent years. The paper additionally explores how India's criminal law is evolving due to technological developments in artificial intelligence (AI), with an emphasis on preventing cybercrime and strengthening the laws that protect women's rights. India is among the digital economies that growing at the fastest pace, that necessitates to fortify its legal defenses against cyberattacks promptly. The expansive presence of technology inclusive of its uses and misuses poses a set of different challenges both for International and National legal frameworks to combat them. In this respect, technologies powered by AI provide promising substitutes by giving legal domain the state-of-the-art tools for threat detection, evidence processing, and pro-active crime prevention. With the use of AI-enabled technologies, enormous volumes of data from various sources—such as social media, online forums, and digital communication channels—would be analyzed to look for trends that can point to cybercrimes directed at women according to NCRB Report. Thus, to tackle cyber dangers and defend the rights of women in India, this abstract idea calls for the creation of progressive legislation that integrates AI technologies, data privacy measures, and gender-sensitive policies. In conclusion, a paradigm shifts in the battle against cybercrime and the defense of women's legal rights in India is represented by the incorporation of AI into the legal sphere.

Keywords AI · Threat detection · Cybercrime · Women's rights · Data privacy measures

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