

Research on Deepfake video detection solutions using Deep Learning

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Abstract: In today's practice, the issue of deepfake videos is becoming serious and needs to be addressed. This topic focuses on researching and building a system based on deep learning to effectively detect deepfake videos. The approach includes both theoretical research and experimental implementation. The goal of the topic is to provide advanced technical solutions to help protect order and information security in the digital environment. The expected results of this work will make an important contribution to the development of video anti-fraud technologies, while promoting scientific understanding of deep learning applications in the field of image processing.

Keywords: Deepfake, Deep Learning, Forgery Detection, Deep Machine Learning, Information Security