

# Literature Review: Methods in Face Recognition and Deepfake Detection

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March 17, 2023

# Table of Contents

- 1 Face Perception in the Age of Tinder
- 2 Deepfake Detection Techniques
- 3 Face Classification and Recognition
- 4 Deepfake Detection with Transformers and CNNs
- 5 Dangers of Online Dating
- 6 Conclusion

# Face Perception in the Age of Tinder [1]

- Study of face perception in online dating platforms
- Tinder: mobile dating app
- Quick swiping behavior: First impression matters

# Comparison of Deepfake Detection Techniques through Deep Learning [2]

- Overview of various deep learning-based methods
- Focus on detecting deepfakes and manipulated images

# Deepfake Detection: A Systematic Literature Review [3]

- Comprehensive literature review
- Covers a wide range of deepfake detection techniques

# A Review of Image Processing Techniques for Deepfakes [4]

- Overview of image processing techniques
- Focus on deepfake generation and detection

# Classification of Real and Fake Faces Using Deep Learning

## [5]

- Discriminate real and fake faces
- Use of deep learning techniques

# Using a GAN to Generate Adversarial Examples to Facial Image Recognition [6]

- Generative Adversarial Networks (GANs)
- Creation of adversarial examples for facial image recognition



# Research on Face Recognition Based on CNN [7]

- Convolutional Neural Networks (CNNs)
- Application in face recognition tasks

# An Image is Worth 16x16 Words: Transformers for Image Recognition at Scale [8]

- Transformers as an alternative to CNNs
- Image recognition tasks

# Face Recognition Based on Convolutional Neural Network [9]

- CNN-based face recognition
- Detailed methodology

# Cross-Forgery Analysis of Vision Transformers and CNNs for Deepfake Image Detection [10]

- Comparison between Vision Transformers and CNNs
- Focus on deepfake image detection
- Analysis of strengths and weaknesses

# The Unexpected Dangers of Online Dating [11]

- Overview of online dating risks and scams
- Importance of reliable face recognition and deepfake detection

# Conclusion

- Variety of methods for face recognition and deepfake detection
- CNNs, GANs, and Transformers
- Ongoing research and development
- Importance of these technologies in online dating and beyond