

# Deepfake Scammers

written by Mert SARICA | 3 June 2024

## Table of Contents

1. Introduction
2. What is Deepfake?
3. The Deepfake Gang
4. Combatting Deepfake
5. How Easy to Create a Deepfake Video?
6. Conclusion

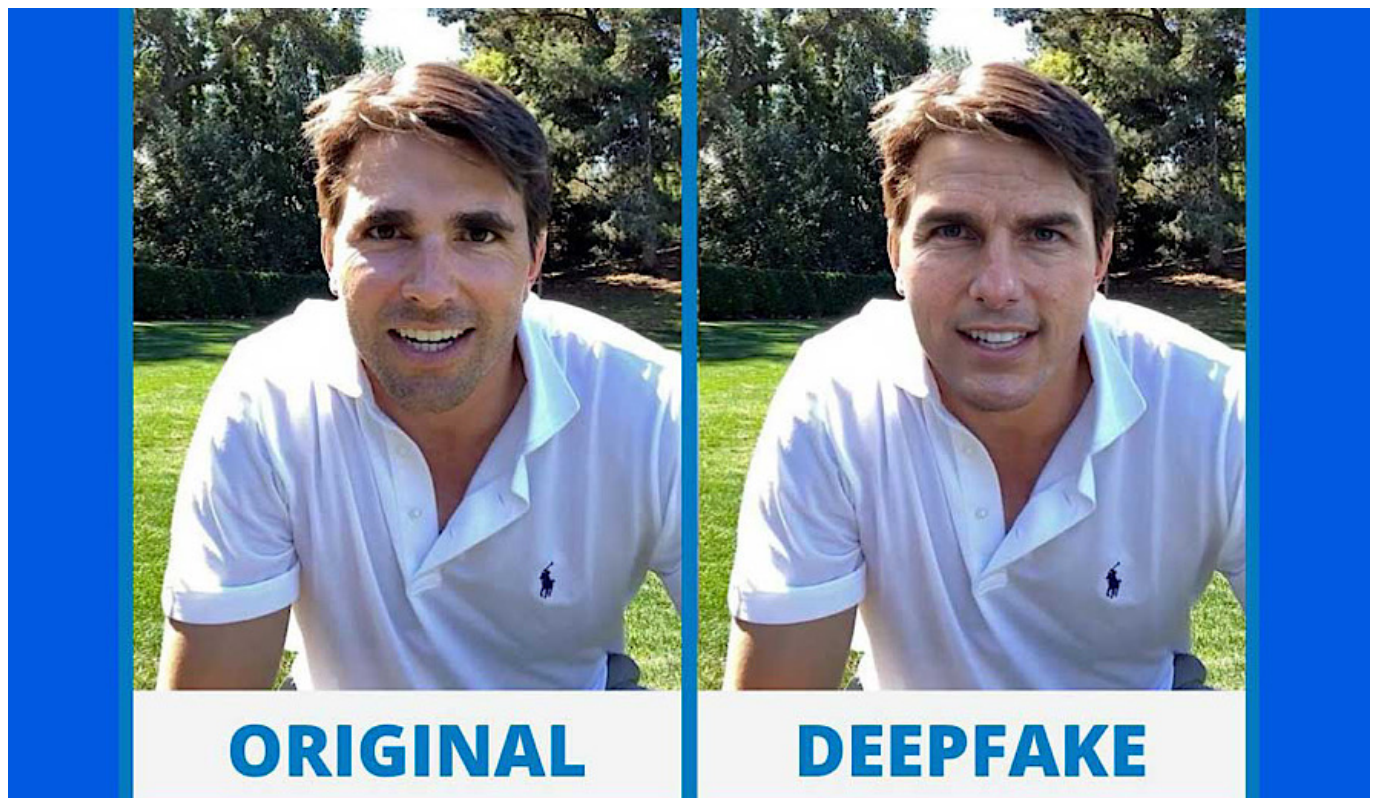
## Introduction

As of May 2024, we continue to witness the revolution and development of generative artificial intelligence with both excitement and concern. OpenAI showcased to the world in a launch event that with their newly announced GPT-4o, ChatGPT can engage in dialogue much more closely resembling human interaction, understanding and producing content from voice, text, and images. On the other hand, not wanting to fall behind in the AI wars, Google shared a new feature from its own generative AI, Gemini, shortly after OpenAI. With this feature, Gemini could instantly convey to the user what was happening in the surroundings and the current location through the camera application.

Well, if you ask what worries cybersecurity professionals and researchers the most alongside these developments that we follow with great excitement and curiosity, in my opinion, it can be how much these features facilitate or hinder fraud attempts and cyber attacks by scammers and threat actors. Just as with humanoid robots, the development in generative artificial intelligence is often compared to human or near-human productivity, which means that malicious individuals also benefit greatly, especially in creating visual, video, audio, and text deepfakes. OpenAI CEO Sam ALTMAN seems to share my concerns, as he recently announced that they are working on a tool to detect deepfake images created with OpenAI's DALL-E 3 model.


# What is Deepfake?

Deepfakes are synthetic media that have been digitally manipulated to replace one person's likeness convincingly with that of another. Coined in 2017 by a Reddit user, the term has been expanded to include other digital creations such as realistic images of human subjects that do not exist in real life. While the act of creating fake content is not new, deepfakes leverage tools and techniques from machine learning and artificial intelligence, including facial recognition algorithms and artificial neural networks such as variational autoencoders (VAEs) and generative adversarial networks (GANs). In turn the field of image forensics develops techniques to detect manipulated images. (Source: Wikipedia)



We have seen that deepfakes have been frequently used for disinformation especially during the Russia-Ukraine war, fraud, and parody purposes in recent years. On the other hand, when we look at forums and Telegram channels


where scammers and threat actors are frequently present, it is noticeable that messages shared about deepfakes and fraud services have increased. Naturally, this increase also raises the risk for individuals spending time on social networks to fall victim to such frauds and cyber attacks.



Deep Fake

If you are good at Deep Fake video/ webcam etc pm me, no clowns...


Subject · 03/06/2024 · deepfake deepfake deepfake s · Answers: 2 · Section: SI / Phishing / APT / Fraud



how to bypass KYC on an Android device?

yes, I know that you need to use **deepfake** , but I'm asking about the method of uploading a photo or video into an application that opens the camera to take a selfie


Message #4 · 03/06/2024 · Section: SI / Phishing / APT / Fraud



how to bypass KYC on an Android device?

Deepfake (eng. **deepfake** from deep learning "deep learning" + fake "fake") I even open exchanges and remove 2FA


Message #3 · 03/06/2024 · Section: SI / Phishing / APT / Fraud



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Subject · 03/01/2024 · deepfake deepfake s deepfakes dips face swap · Answers: 3 · Section: OTHER: everything else



I'll copy any React website with animations and make changes there | I'll copy any react site with animations, and make changes there

Price? smillar undress.ai etx? **deepfake** ?

Message #6 · 02/26/2024 · Section: OTHER: everything else








#DEEPACH DOCUMENTS/DRAWING (Documents/CC/Selfie) REAL PLASTIC, EMBOSING+HOLOGRAM

im interested in **deepfake** video with fake document saying one phrase in video

Message #24 · 02/18/2024 · Section: DOCUMENTS: scans, renderings; calls, punching and sms

1,420 subscribers




 FAQ: !


Android Software


Welcome to our Channel! We built !


to regain control over online KYC accounts an...




★ TOOL PRICE LIST:

 RTMP \$5000 USD

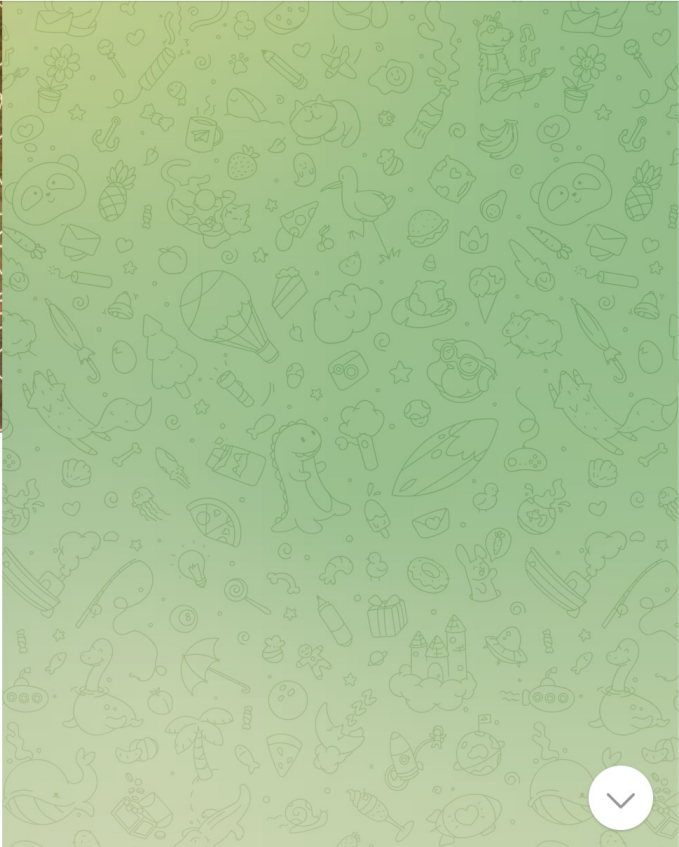
 PRO \$10000 USD

 Desktop Emulator (WSA) \$4000 USD

---

 Are you an Expert in Bypassing KYC?

Get any tool FREE by joining the Private Group





1,528 subscribers

### Pinned message

**Wide Range Of Bots And Applications By Categories E**

#### **Scam / Spoof / Spam Bots & Applications**

[Scam Crypto Exchange](#) (Paid Subscription)  
[Deep CallSpoofer](#) (Paid Subscription Replica)  
[Deep MailSpoofer](#) (Paid Subscription)  
[AI Deep VideoCallSpoofer](#) (Paid Lifetime)  
[Deep BluetoothSpammer](#) (Paid Lifetime)  
[DeepFake AI](#) (Paid Subscription)  
[DeepNude Pro](#) (Paid Lifetime)  
[Deep File Spoofer](#) (Paid Lifetime)

#### **RAT / Stealer / Hacking Bots & Applications**

[Kali Linux on Mac / Windows](#) (Paid Lifetime)  
[Fuse RAT](#) (Paid Lifetime)  
[Venom RAT + HVNC](#) (Paid Lifetime)  
[Medusa RAT](#) (Paid Lifetime)  
[Hook Botnet](#) (Paid Lifetime)  
[Silver RAT](#) (Paid Lifetime)  
[RDP Stealer To Bot](#) (Paid Lifetime)  
[Web Hack Mobile App](#) (Paid Lifetime)  
[BlackWin Spyware Bot](#) (Paid Lifetime)

## The Deepfake Gang

If you work at or receive services from a cyber threat intelligence firm like SOCRadar, which tracks the activities of threat actors and scammers and provides 24/7 intelligence to its clients, you have the opportunity to closely follow and stay informed about the suspicious and harmful activities carried out by malicious individuals across various platforms.

Based on information I recently obtained, I began closely monitoring a fraud



gang that I believe to be based in Russia, with the technical details of their operations to be covered in another article. Since October 2023, this gang has been attempting fraud by using the names of international organizations such as Slovnafit, INA d.d, Bosphorus Gaz, and defense companies like Baykar, as well as Interpol. They targeted their victims through fake ads on Facebook, Instagram, Messenger, which are platforms under Meta. Occasionally, they also placed fake ads on Google's search page. To ensnare the citizens of their targeted countries, this gang did not hesitate to use deepfake images and videos of politicians, business people, and news anchors.

facebook.com/ads/library/?active\_status=all&ad\_type=all&country=ALL&q=

Meta

Ad Library Ad Library Report Ad Library API Branded Content

All All ads

Launched April 2024

See ad details

**BodyGliss**  
Sponsored

Exciting news! Introducing two alluring scents in our BodyGliss massage collection - a perfect blend of silky softness and passion. Elevate your intimate moments with velvety textures that leave you smooth, not sticky. Choose from a variety of delightful scents, including our special Winter Christmas edition. Unveil the magic of sensual massages and ignite the spark of passion. #BodyGliss #NewScents #SensualMagic #IntimacyUnleashed <https://www.easytoys.nl/bodygliss-massage-olie-en-...>

Instagram Visit Instagram

following our Advertising Standards.  
4 ads use this creative and text

See summary details

**Financial Adviser**  
Sponsored

Szenzációs felfedezés! A gondosan elrejtett információ, mostanra közkinccsé vált!

**Szenzációs felfedezés!**  
A település és a kormány reakcióját látni a következő lépés?

**Information Factor**  
Sponsored

Regisztrációs program bol predžený do prvého štvrtfóka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.

INONE-NEWS.COM  
Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.

Learn more

facebook.com/ads/library/?active\_status=all&ad\_type=all&country=ALL&q=

Meta

Ad Library Ad Library Report Ad Library API Branded Content

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Launched April 2024

Platforms

8 ads use this creative and text

See summary details

**Information Factor**  
Sponsored

Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.

Sorry, we're having trouble playing this video.  
Learn more

Platforms

This ad was run by an account we later disabled for not following our Advertising Standards.

2 ads use this creative and text

See summary details

**Financial Adviser**  
Sponsored

Ne maradjon le a hírekről, olvassa el a teljes beszámolót weboldalunkon

**Botrány!**

A vádakat megerősítették!  
A mai hír min-ynkit meglepett.

Platforms

This ad was run by an account we later disabled for not following our Advertising Standards.

EU transparency

See ad details

**Valódi hír**  
Sponsored

Ne maradjon le a hírekről, olvassa el a teljes beszámolót weboldalunkon

**Bozány!**

A vádakat megerősítették!  
A mai hír mindenkit meglepett.

INONE-NEWS.COM  
Ne maradjon le a hírekről, olvassa el a teljes beszámolót weboldalunkon  
Ne maradjon le a hírekről, olvassa el a teljes beszámolót weboldalunkon

Learn more

facebook.com/ads/library/?active\_status=all&ad\_type=all&country=ALL&q=

Meta

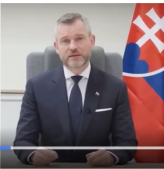
Ad Library Ad Library Report Ad Library API Branded Content

All All ads

Launched May 2024

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Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.




INONE-NEWS.COM  
Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.

Learn more

Library ID: 2354073148130857  
Inactive  
May 23, 2024 - May 24, 2024

**Information Factor**  
Sponsored

Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.



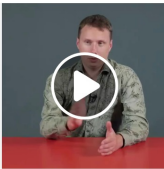
INONE-NEWS.COM  
Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.

Learn more

Library ID: 309591528865422  
Inactive  
May 21, 2024 - May 22, 2024

**Information Factor**  
Sponsored

Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.



INONE-NEWS.COM  
Registračný program bol predĺžený do prvého štvrťroka 2024. Nepremeškajte príležitosť zaregistrovať sa, viac informácií získate kliknutím sem.

Learn more

Library ID: 920027426560256  
Inactive  
May 21, 2024 - May 22, 2024

For example, in their ads targeting Turkish citizens, they used deepfake images and videos of well-known figures such as Selçuk BAYRAKTAR, Acun ILICALI, İsmail KÜÇÜKKAYA.

All

All ads

Q

X

Saved searches

Filters

Save search

Launched April 2024

EU transparency

See ad details



Son Dakika Haberleri  
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Toplum onlardan saklanan şey karşısında hâlâ şokta!



OFFICIAL-TRANSNWS.TODAY  
Daha fazlasını burada okuyun

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EU transparency

See ad details



Bilgi portalı  
Sponsored

Toplum onlardan saklanan şey karşısında hâlâ şokta!



HURRIYET-TR.TODAY  
Daha fazlasını burada okuyun

Learn more

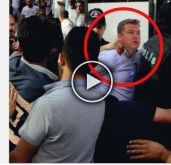
EU transparency

See ad details



Bilgi portalı  
Sponsored

Toplum onlardan saklanan şey karşısında hâlâ şokta!



HURRIYET-TR.TODAY  
Daha fazlasını burada okuyun

Learn more

2013 yılı Eylül ayında Fox TV'de "Çalar Saat" adlı programı sunmaya başladı. Gazeteci İsmail Küçükkaya 10 Temmuz 2016'da Samsun'da görev yapan görsel sanatlar öğretmeni Eda Demirci ile evlendi.

## Welcome

Let's create your account!

First name

Last name

Email

+1 201-555-0123

• Ur

• Ur

•

• Af

submit

İsmail Küçükkaya

İçin Tıklayınız!

Sizlere daha iyi hizmet sunabilmek adına sitemizde **çerez** konumlandırmaktayız. Kişisel verileriniz, KVKK ve GDPR kapsamında toplanıp işlenir. Detaylı bilgi almak için [Aydınlatma Metnimizi](#) inceleyebilirsiniz.

Tüm Çerezleri Kabul Et

Çerez Ayarlarına Git



facebook.com/ads/library/?active\_status=all&ad\_type=all&country=ALL&q=

Meta

Ad Library Ad Library Report Ad Library API Branded Content

All All ads

Launched May 2024

Filters Save search

See summary details

Supp IE Sponsored

BAYKAR, savunma endüstrisinin öncü konumunu koruyarak özel bir yatırım platformu başlatıyor ve halka açık şirketlerin hisselerini alıp satma imkanı sunuyor. Artık savunma sektöründe yatırım yapmak birkaç tıklamayla kolayca gerçekleştirilebilir.

İşlem yapmaya başlamak için minimum 8000 lira yatırım yapmanız gerekmekte; ardından size tüm sorularınızı cevaplayacak kişisel bir...

See summary details

Story WA Sponsored

BAYKAR, savunma endüstrisinin öncü konumunu koruyarak özel bir yatırım platformu başlatıyor ve halka açık şirketlerin hisselerini alıp satma imkanı sunuyor. Artık savunma sektöründe yatırım yapmak birkaç tıklamayla kolayca gerçekleştirilebilir.

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See summary details

Baykar Active Sponsored

BAYKAR, savunma endüstrisinde öncü konumunu koruyarak özel bir yatırım platformunu başlatıyor ve halka açık şirketlerin hisselerini alıp satma imkanı sunuyor. Artık savunma sektöründe yatırım yapmak birkaç tıklamayla kolayca gerçekleştirilebilir.

İşlem yapmaya başlamak için minimum 8000 lira yatırım yapmanız gerekmekte; ardından size tüm sorularınızı cevaplayacak kişisel bir yöneti...

0:10 / 0:43

firstation sunuyor!

WAYTRAILS ONLINE 4.9/5


Learn more


Library ID: 3530799930502558

Library ID: 1348043265865920

Library ID: 2231680927210057

In one of the deepfake videos, it was promised that with a minimum investment of 8000 TRY, one could earn up to 100,000 TRY per month. When visiting the associated links, you would sometimes encounter a very simple form asking only for your first name, last name, email address, and mobile phone number. Other times, you would see a more visually rich form with multiple-choice options designed to gather more information, followed by a message stating that an operator would contact you shortly.




  
INTERPOL

### Служба отмены Денежных переводов


Служба отмены денежных переводов без оплаты за услуги


С Целью обеспечения безопасности и законности в Европе

  
INTERPOL

Заполните анкету для начала возврата денежных средств

[Заполнить Анкету](#)




  
INTERPOL

### Money Transfer Cancellation Service


Cancellation service for money transfers without payment for services

To ensure security and legality in Europe

  
INTERPOL

Fill out the form to begin your refund

[Fill out the Questionnaire](#)



Enter your contact information to  
contact an Interpol forensic  
specialist

ENTER YOUR NAME

Enter your name

ENTER LAST NAME

Enter last name

ENTER EMAIL

Enter email address


ENTER PHONE NUMBER

+1 Phone Number

☐ I agree with the Privacy Policy

☐ I'm over 18 years old

Register



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vo VSE?  
Jednoduchšie  
ako uvariť čaj

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www.vse.sk

Príhlásiť sa

## Slovnaft odštartoval investície, ktoré majú znížiť energetickú náročnosť jeho výroby

Odstávky v rafinérii naplánovali na dva mesiace.




Foto: Slovnaft

Aktuality | 25.05.2022 | Radovan Potočár




**VITOMANN**  
**VITOCAL**  
Inteligentné  
tepelné čerpadlo  
Chcem sa informovať

### Najčítanejšie články

- Obrovský veterný park krachuje. Nedokáže dodať zmluvný objem zelenej elektriny
- Nakúpili rekordný objem, ponuka bola trojnásobná. Štáty EÚ opäť spoločne obstarali plyn
- Spojili kotly, slnečné kolektory a tepelné čerpadlá. Ako vyzera nové vykurovanie Hornej Nitry (+VIDEO)
- Neplatí, že ruský plyn je zázračne lacný. Aj Gazprom si účtuje podľa ceny na burze
- Čaká sa na novú vyhlášku ÚRSO. SEPS odkladá pripojenie k platformám MARI a PICASSO
- Príšli stovky pripomienok. Tarabova novela zákona o EIA čelí kritike aj v zahraničí

Energetický manažment a jednoduché vyúčtovanie energií.



Na účely prispôsobenia obsahu a reklám, poskytovania funkcií sociálnych médií a analýzy návštevnosti používame súbory cookie. Informácie o tom, ako používate naše webové stránky, poskytujeme aj našim partnerom v oblasti sociálnych médií, inzercie a analýzy. [Viac informácií](#)

Rozumiem



inone-news.com/

Finish update

Investujú 36 miliónov eur

„Údržba a modernizácia zahŕňa rafinérské výrobné jednotky destilácie a hydrokrakovania, a tiež kľúčové výrobné jednotky petrochémie, vrátane výrobných jednotiek na výrobu plastov LDPE4, ktorá patrí k najmodernejším v Európe,“ priblížil manažér Riadenia projektov a plánovaných odstávok spoločnosti Slovnaft Lukáš Noskovič.

Wellcome

Let's create your account!

First name

Last name

Email

+1 201-555-0123

obsah aktuálneho čísla

Novinky e-mailom

Zadajte váš e-mail a my Vám budeme zasielať len najdôležitejšie informácie. (max. 1 x týždenne)

Váš e-mail ...

Odoberať novinky

Najbližšie podujatie

Energetické spoločnosti a zdieľanie elektriny

14. marca 2024

Podujatie efocus.sk, na ktorom odborníci v energetike pomôžu účastníkom konferencie vykonať kroky smerujúce k vytvoreniu energetickej

Energetický manažment a jednoduché vyúčtovanie energií.

BELIMO

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Rozumiem

inone-news.com/

Finish update

24

PLUS+

NEWS

SHOW

SPORT

LIFE&STYLE

SCI/TECH

VIRAL

VIDEO

KUPI

Shopaj

APPLICATION

PROMO

A Mercedes was presented to the lucky winner of Ina's prize draw

Sponsored article, Tuesday, 23.1.2024. at 10:39


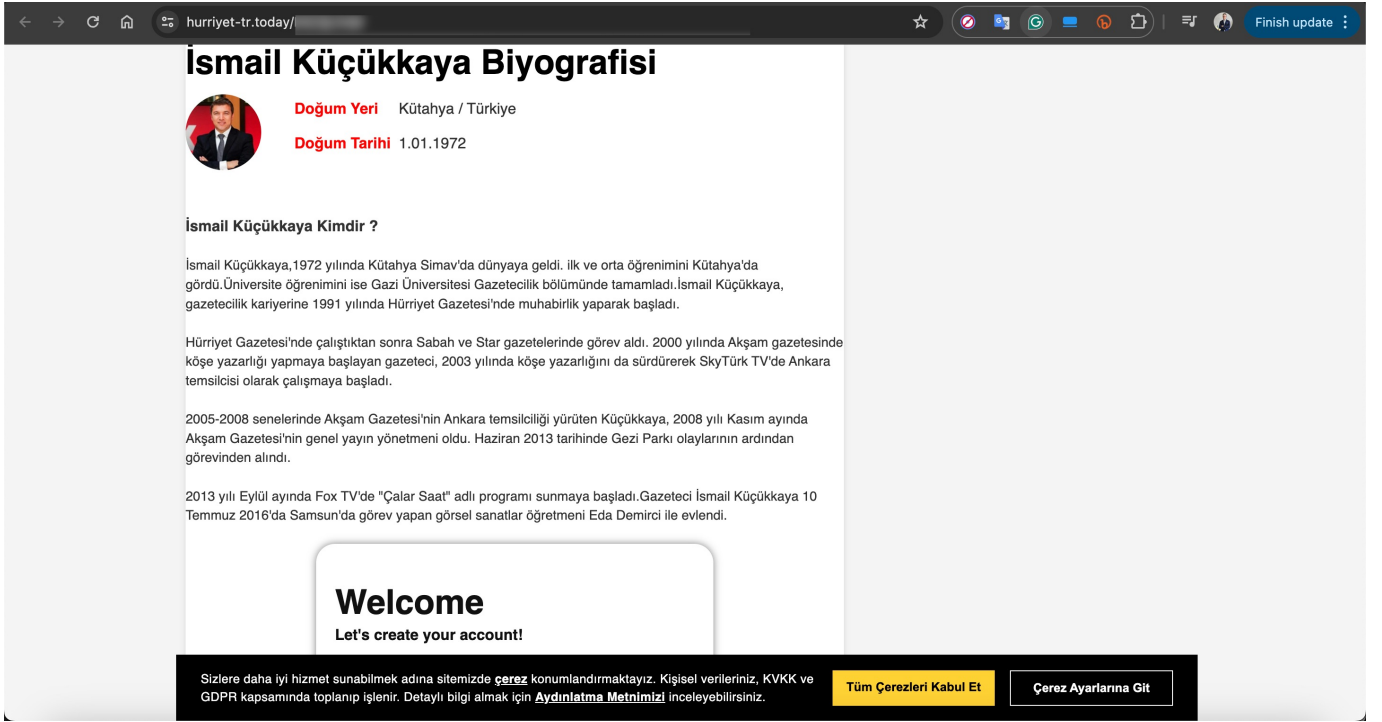
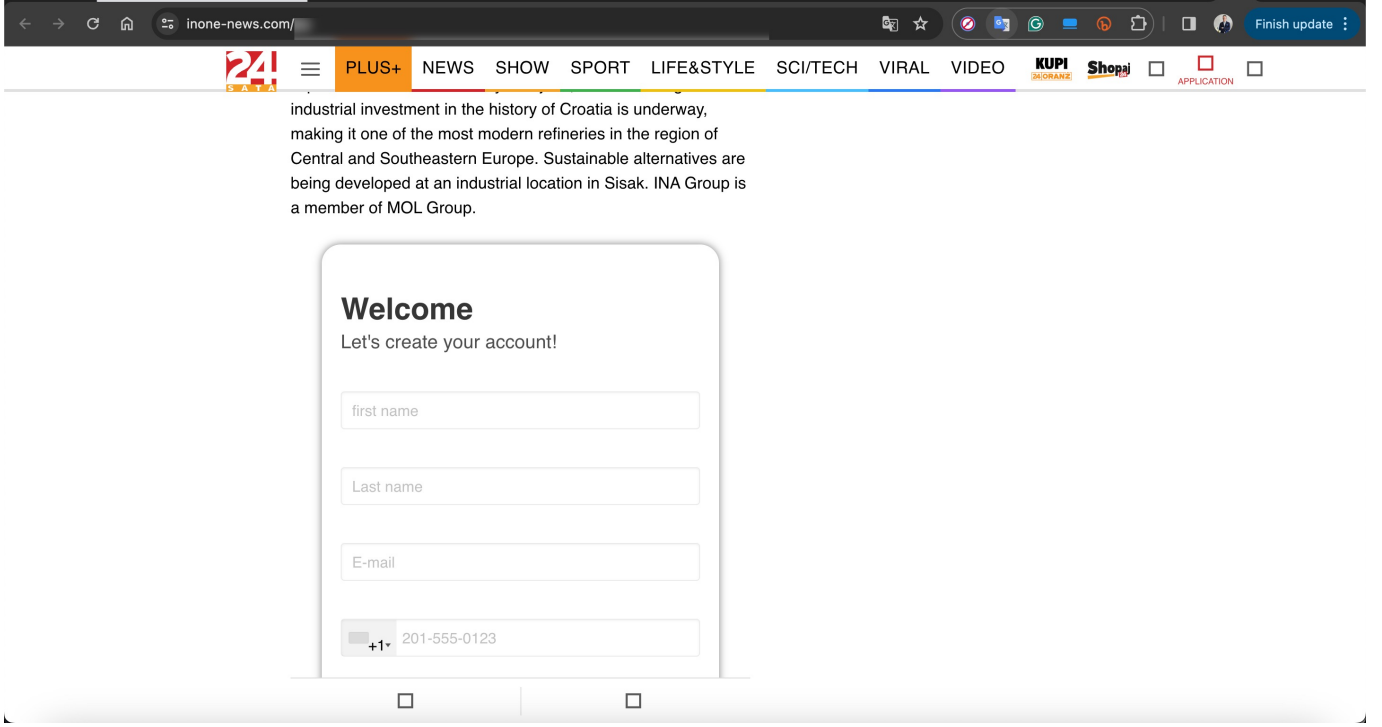


Photo: INA



hurriyet-tr.today/

2013 yılı Eylül ayında Fox TV'de "Çalar Saat" adlı programı sunmaya başladı. Gazeteci İsmail Küçükkaya 10 Temmuz 2016'da Samsun'da görev yapan görsel sanatlar öğretmeni Eda Demirci ile evlendi.

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+1 201-555-0123

submit

İsmail Küçükkaya için Tıklayınız!

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Tüm Çerezleri Kabul Et

Çerez Ayarlarına Git

hayalmezan.online/

## BAYKAR

16:10

BAYKAR

Merhaba, ben - kişisel yöneticiniz Emine!

Tebrikler! "Baykar-Invest"

Birkaç soruyu yanıtlamanız ve minimum bir depozit yatırmanız gerekmektedir, böylece size yardımcı olabilir ve işe başlayabiliriz!

BAYKAR


Soyle bana seninle nasıl iletişime geçebilirim?

İsim

Soyadı

Daha öte






## BAYKAR hisselerini 8 800 TL'den başlayan miktarla satın alarak her ay 25.800 kazanabilirsiniz

### "BAYKAR Anonim Şirketi" ile hayallerinizi nasıl gerçekleştirebilirsiniz?

Platforma erişmek ve ülkenin kaynaklarından sabit para kazanmaya başlamak için BAYKAR Kurumu'nun resmi testine giriniz.


[Teste başla](#)



### 1. Her Türkiye vatandaşının, ülkenin kaynaklarının ticaretinden gelir elde etmesi gerektiğine inanıyor musunuz?

☐ Evet

☐ Hayır



Birinci adım

ptomainic.com/

**BAYKAR**

Tebrikler! 'BAYKAR' platformundaki yatırımlar kullanımınıza açıldı.  
İletişim bilgilerinizi bırakın ve hemen kazanmaya başlayın.

İlk İsim

Soyadı

E-posta

+90 501 234 56

Ücretsiz kayıt

tr-inf.com/

8 Sıradaki yeriniz...

İletişimde kalın! Size en kısa sürede geri dönüş yapacağız:

Platformla ilgilenen çok sayıda kişi nedeniyle, tüm yeni kullanıcılar şu anda bir bekleme listesine yerleştirilmektedir. **Önümüzdeki birkaç saat içinde bir aramayı kaçırmayın, aksi takdirde yerinize başkası geçecektir.**

Bizimle iletişime geçin, müdürümüz sizi kısa süre içinde arayacaktır.

When examining the Facebook accounts used for these fake ads, it was highly likely that these accounts belonged to innocent individuals who had been hacked and repurposed for this scam. This could be easily understood by looking at the past photos and videos shared on the account.

For example, the Facebook profile named “Türkiye Gündemi” in the screenshot below, which impersonated the A News channel, revealed upon inspecting the “Mentions” page that the account originally belonged to a person named Nestor Soler and had been created in 2017.

facebook.com/ads/library/?active\_status=all&ad\_type=all&country=ALL&q=

Meta

Ad LibraryAd Library ReportAd Library APIBranded Content

AllAll ads

Search

Saved searches

FiltersSave search


Launched May 2024

Library

Active

Started

Platform



Türkiye Gündemi


News & media website

Haberler

2,040 likes

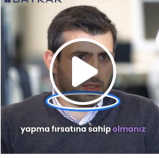
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Platforms


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Page transparency

Facebook is showing information to help you understand the purpose of this Page.

1427475557559569

Page ID

February 22, 2017

Creation date

Admin info

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This Page is not currently running ads.

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Türkiye Gündemi

Haberler

Page · News & media website

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May 2 at 7:39 AM ·

<https://www.medya03.com/.../akcay-gorevini-okuyucuya...>  
Afyon Kocatepe Üniversitesi

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Akçay görevini Okuyucu'ya devretti

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Türkiye Gündemi

Intro

Haberler

Page · News & media website

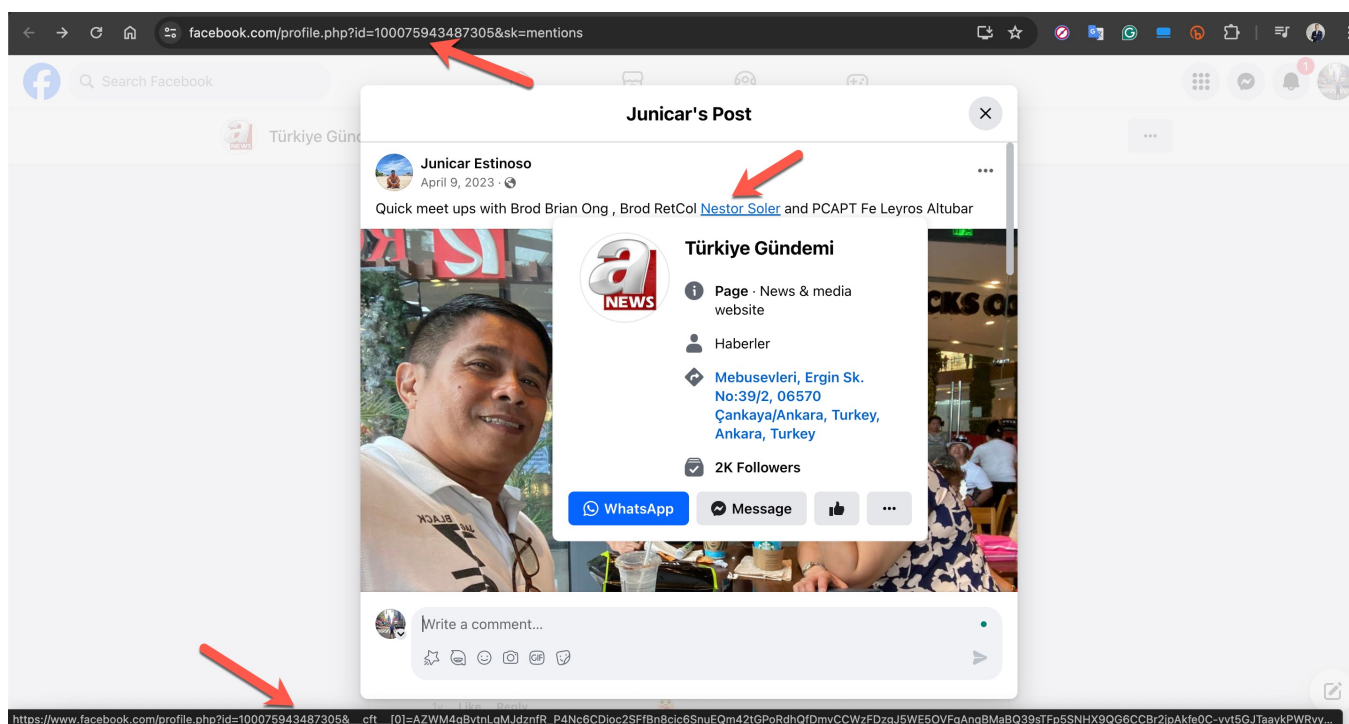
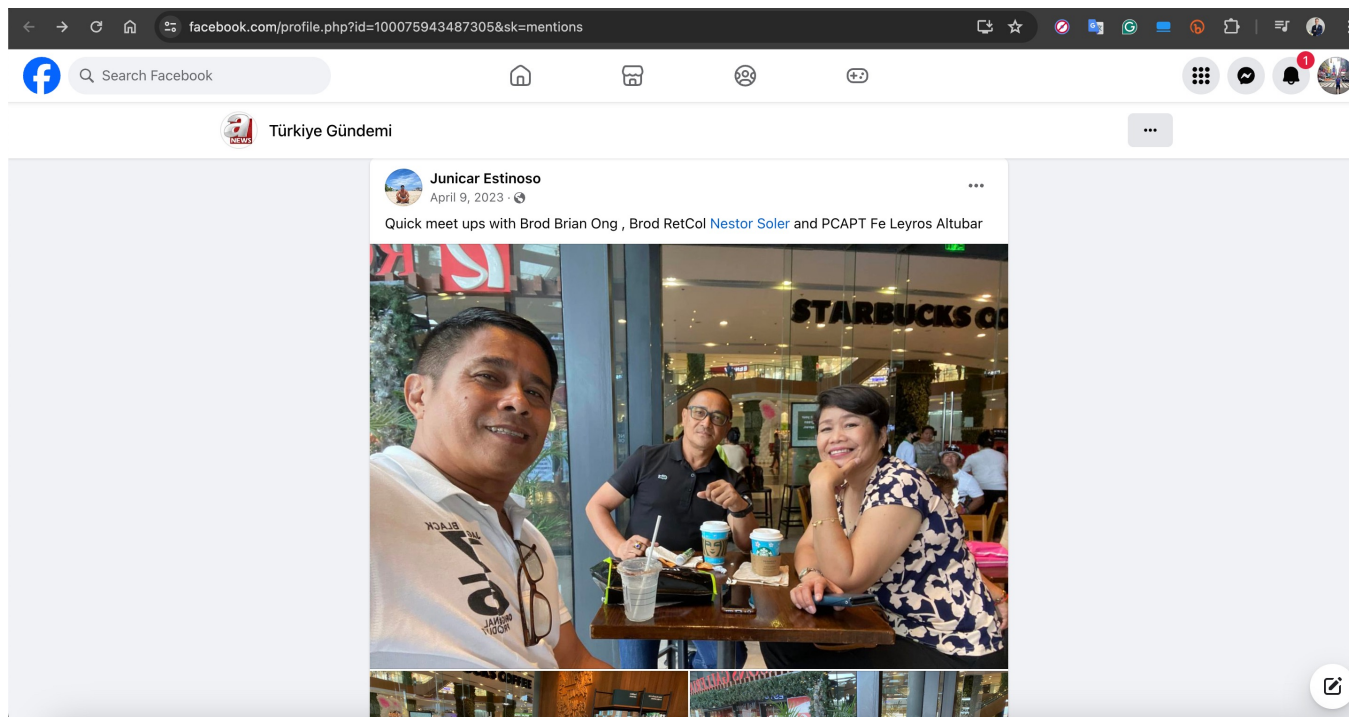
Mebusevleri, Ergin Sk. No:39/2, 06570  
Çankaya/Ankara, Turkey, Ankara, Turkey

Photos See all photos

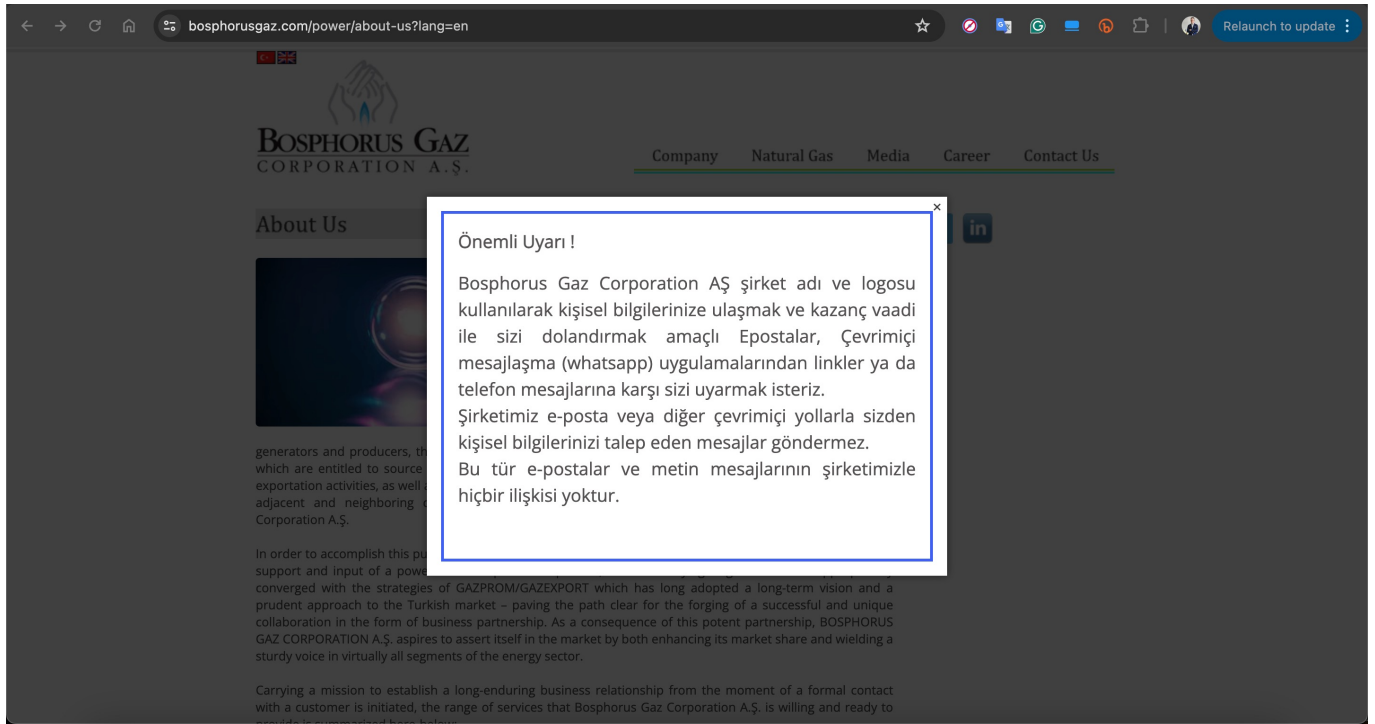
See Translation

Social Square

April 9, 2017 ·



Within six months, a significant number of people in Turkey were likely targeted by this fraud method, prompting both Baykar and Bosphorus Gaz companies to issue public warnings to inform the public.



## Combating Deepfake

In the cyber world where avoiding falling victim to scams orchestrated using the latest technological advancements becomes increasingly challenging each day, how can videos suspected to be deepfakes be detected by end-users, experts, and journalists?

When it comes to detecting the aforementioned deepfake videos, it can be said that they are relatively easier to detect compared to other types of deepfakes. It is observed that academic studies are rapidly ongoing in this regard, and technology giants like Intel are implementing technologies such as FakeCatcher to address this issue. However, as accessing these corporate-oriented technologies may sometimes be impossible for end-users, the need to verify suspicious images and videos encountered by those who follow news on social media or shop online (much like the need to verify information today) becomes increasingly important day by day.

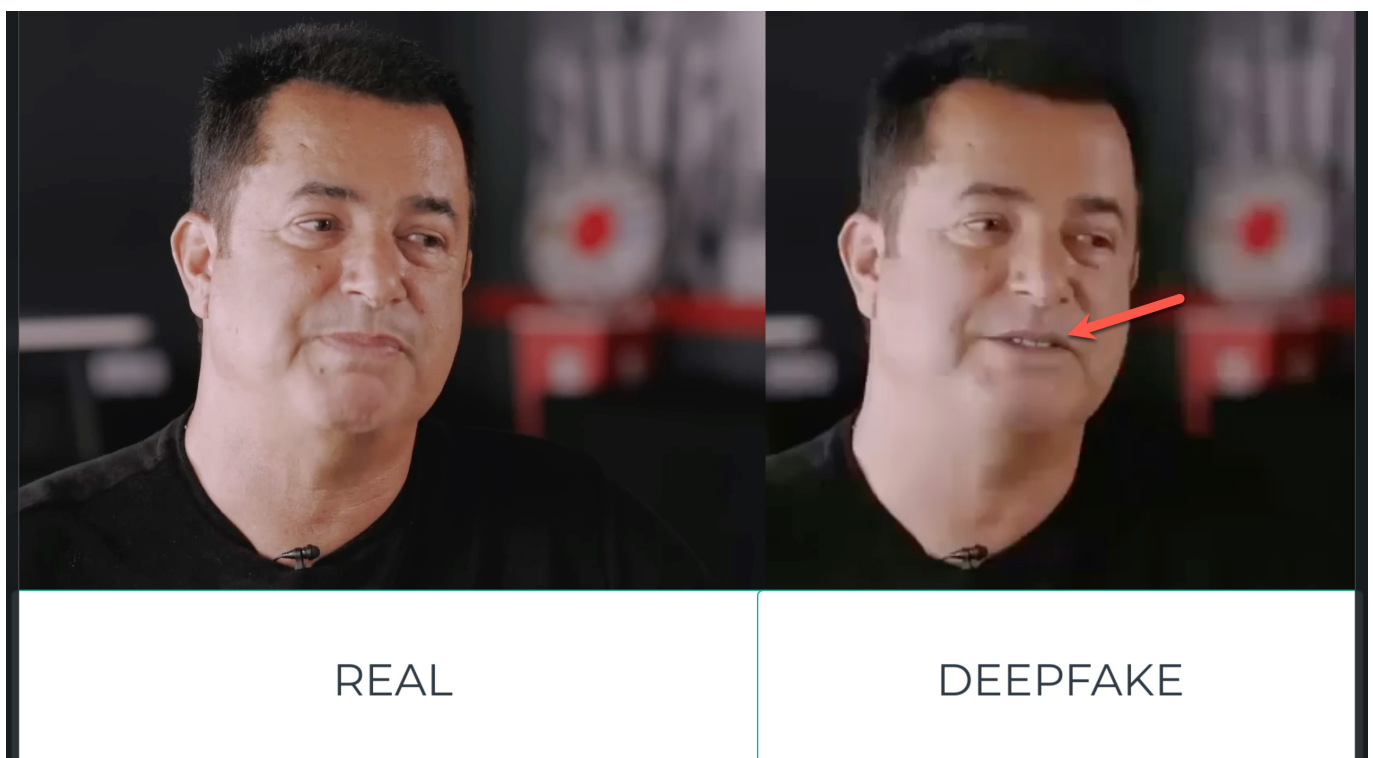
When listening to experts and authorities about what to pay attention to in order to determine whether an image or video is deepfake, the following points generally stand out:

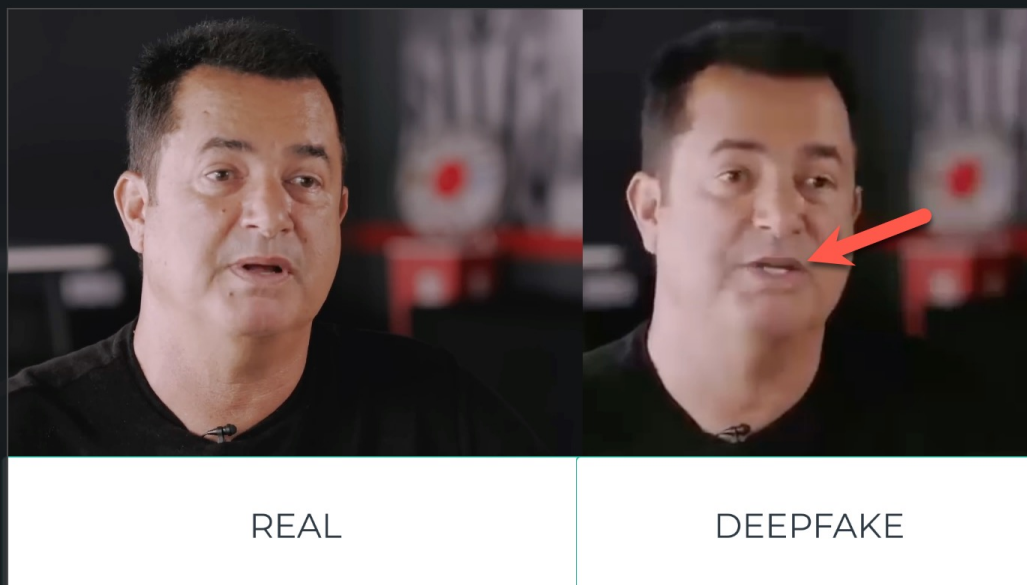
1. Blurring evident in the face but not elsewhere in the image or video (or vice-versa)
2. A change of skin tone near the edge of the face

3. Double chins, double eyebrows, or double edges to the face
4. Whether the face gets blurry when it is partially obscured by a hand or another object
5. Lower-quality sections throughout the same video
6. Box-like shapes and cropped effects around the mouth, eyes, and neck
7. Blinking (or lack thereof), movements that are not natural
8. Changes in the background and/or lighting
9. Contextual clues – Is the background scene consistent with the foreground and subject?

To find out if these recommendations really work, when the real video of Acun ILICALI, who is targeted by fraudsters, is compared side by side with the deepfake video, the first item in the list, “Blurring evident,” indeed stands out immediately.

Similarly, when close-up scenes are placed side by side and advanced simultaneously, inconsistencies, especially in mouth movements, facial expressions, and the visibility of teeth, also raise suspicion.






If you ask me if there are there any tools or applications that can detect these deepfake videos on your own system, I would recommend taking a look at the “Deepfake detection using Deep Learning” project.

For those who want to detect deepfake videos effortlessly and for free using multiple deepfake detection algorithms based on online and academic studies, I highly recommend the DeepFake-0-Meter application.

For instance, when I analyzed a deepfake video created by scammers using excerpts from Selçuk Bayraktar’s video on DeepFake-0-Meter, most of the algorithms clearly indicated that there were inconsistencies with this video, suggesting that I should be suspicious.





**Task:** Deepfake Image/Video Detection

**Input File:** 4365490341135372551005020976457502560588801n.mp4

**Analytic Name:** DSP-FWA

**Analysis Date:** 2024-05-15 02:04:10.390362


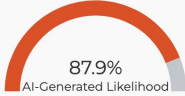


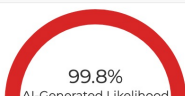
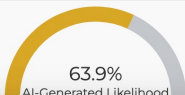
**Result:** {'Real Probability': 0.002048194408416748, 'Fake Probability': 0.9979518055915833}

**Analytic Description:** Deep learning based method that can effectively distinguish AI-generated fake videos, this method target the artifacts in affine face warping as the distinctive feature to distinguish real and fake images

**Analysis Scope:** Human face images or videos

**Reference:**  
<https://arxiv.org/abs/1811.00656>

**Code Link:**  
<https://github.com/yuezunli/DSP-FWA>

| Detector  | Result   | Details   |
|---|--|-----------|
| Univ. Buffalo - video detector (2022)                                 |  97.9%<br>AI-Generated Likelihood  | Completed |
| Univ. Buffalo - video detector (2024)                                 |  87.9%<br>AI-Generated Likelihood | Completed |
| The University of Tokyo - video detector (2022)                       |  33.6%<br>AI-Generated Likelihood | Completed |
| University of Science and Technology of China - video detector (2023) |  90.4%<br>AI-Generated Likelihood | Completed |
| UA - video detector (2019)  |  99.8%<br>AI-Generated Likelihood | Completed |
| Xiamen University - video detector (2021)                             |  63.9%<br>AI-Generated Likelihood | Completed |

For those who want to detect such deepfake images and videos by just using a browser extension, the DeepfakeProof Chrome extension could be worth trying.

## How Easy to Create a Deepfake Video?

Looking at the spreading of fake advertisements using deepfake videos over the past 6 months, it was evident that the process of creating these fake videos had to be excessively easy and low-cost or even free for fraudsters.

To support this thesis, when I began researching applications that could potentially be used by fraudsters to create deepfake videos, the focus shifted immediately to the Wav2Lip model, mainly due to its blurriness, use of lip-sync techniques, and, of course, being open-source and free.

Wav2Lip is a free, open-source deep learning model that can lip-sync videos to any audio track with high accuracy. It works for any language, voice, or identity, including synthetic voices and CGI faces.

When I experimented with the Wav2Lip\_simplified\_v5.ipynb Jupyter notebook tool on one of the videos, targeted by fraudsters, the similarities with the deepfake video (the problem of lip movements not always being synchronized with the generated audio from the text (audio deepfake)) reinforced the possibility that fraudsters were utilizing this model.

## Conclusion

The groundbreaking developments in artificial intelligence continue to grease the wheels for scammers, making their jobs easier. For instance, by simply paying a monthly fee of \$5 and uploading a video or audio file of the person you want to mimic to the ElevenLabs web application, you can use artificial intelligence to have any text you write voiced by that person. With this situation in mind, such services always have the potential to be abused by malicious individuals.

In the face of increasing deepfake videos on social media and networks, let's be very, very cautious, and similarly, let's not forget the possibility of our voices being copied (audio deepfake) and being used against our loved ones by fraudsters. It might be beneficial to already establish a keyword to be used for verification purposes in emergencies with your loved ones against the possibility of your voice being copied.

In today's world, where we can't believe what we hear (audio deepfake), what we see (deepfake video), or what we read (misinformation, disinformation, deepfake text), let's not forget the age-old advice: "Don't believe anything you haven't seen with your own eyes."

Hope to see you in the following articles.