Query: Give me the latest fraud and crimes committed in 2025 and also good solutions that can handle fraud and prevent crimes from happening.

Topic: Cybercrime_and_Digital_Fraud

Type	Title	URL	Summary
academic	real-world-adversarial-attack_3.pdf	https://paperswithcode.com/paper/patchbackdoor-backdoor-attack-against-deep	The document describes a backdoor attack on deep neural network (DNN) models, which is a type of adversarial patch attack. The authors propose a novel approach to modifying the DNN model itself rather than the training data or the image patches used in traditional adversarial attacks. The paper introduces "PatchBackdoor," a technique that embeds a hidden backdoor into the DNN model by attaching a patch to the camera view instead of modifying the training procedure or the model. The authors demonstrate the effectiveness of their attack and its feasibility in the physical world using images of various traffic signs taken from different angles. The experiment shows that the PatchBackdoor attack is robust enough to defend against backdoor attacks, which is demonstrated by a high clean accuracy rate and attack success rate. The results suggest that, aside from the training data and model, the constant camera foreground and background may be an important attack surface edge in various systems. The authors also discuss related work on adversarial patch attacks that modify pixels within a local region of the image to induce model misclassification. They acknowledge that their approach is different from traditional adversarial patch attacks and provide insights into the limitations and potential applications of PatchBackdoor. Some key points from the document are: * The PatchBackdoor attack modifies the DNN model itself rather than the training data or image patches. * The technique embeds a hidden backdoor into the DNN model by attaching a patch to the camera view. * The authors demonstrate the effectiveness and feasibility of their attack in the physical world using images of various traffic signs. * The PatchBackdoor attack is robust enough to defend against backdoor attacks, with high clean accuracy rate and attack success rate. * The approach has potential applications in various systems, including computer vision and machine learning.

academic	backdoor-attack_82.pdf	https://paperswithcode.com/paper/patchbackdoor-backdoor-attack-against-deep	I'll summarize the document for you. The document appears to be a research paper on deep learning models and backdoor attacks. Here's a summary: * The authors introduce a new attack method called "PatchBackdoor" that modifies the patch width and trigger conditions in a deep neural network model. * They demonstrate the feasibility of their attack in the physical world, using images of various traffic signs from different angles. * The PatchBackdoor attack is designed to embed a hidden backdoor in a deep learning model by modifying its parameters. This allows an attacker to activate the backdoor and misclassify certain objects as "attacker-specified" labels. * The authors show that their attack has high clean accuracy and success rates, making it effective against current defenses against adversarial patches. * They also demonstrate that their attack can be customized to target specific models or datasets, making it a robust threat to deep learning-based systems. Some of the key findings include: * The PatchBackdoor attack is feasible in the physical world, where images are captured from different angles and used to train a deep learning model. * The attack is effective against current defenses against adversarial patches, which are designed to misclassify objects by adding noise or perturbations to the input data. * The authors show that their attack can be customized to target specific models or datasets, making it a robust threat to deep learning-based systems. Overall, this research highlights the importance of developing robust defenses against backdoor attacks and adversarial patches in deep learning models.
academic	benchmarking_57.pdf	https://paperswithcode.com/paper/attackseqbench-benchmarking-large-language	The provided document appears to be a benchmarking exercise for evaluating the understanding of large language models regarding sequential attack tactics. The goal is to evaluate the answerability ofquestionsbasedtactics the given. Basedprovides a promptquestionStepQuestionth.
news	East Africa cracks down on 'fake news'	https://www.bbc.com/news/world-africa-44137769	The document discusses the spread of fake news and cybercrime in East Africa, particularly in Kenya, Tanzania, and Uganda. It highlights the need for a new law to criminalize the abuse of social media, which is being misused to spread false information, commit cyber bullying, and threaten national security. The article mentions that Kenya has already proposed a bill to punish offenders who publish false information with lengthy jail terms or fines. However, critics argue that this law could muzzle independent media and curtail press freedom. The President of Kenya, Uhuru Kenyatta, is urged to remove the clause that allows the government to shut down any medium that violates the new law. The document also touches on the issue of cyber bullying, which is a growing concern in East Africa. It highlights the importance of protecting journalists and whistle blowers who are often targeted by online trolls. In Tanzania, there have been concerns about the government's plan to tax social media platforms like Facebook and WhatsApp. The President of Uganda, Yoweri Museveni, has also proposed a plan to collect revenue from these platforms to finance the country's economy. The article concludes that it is essential to develop local platforms for online content and ensure that there is transparency and accountability in the use of digital media. It also emphasizes the importance of protecting press freedom and ensuring that new laws do not curtail the ability of journalists to do their work.

news	The auto dealers outage has been hamstringing car dealerships for days. Experts say thatâ€™s the new normal for cyberattacks	https://www.cnn.com/2024/06/27/business/cdk-global-cyber-attack-update/index.html	The document reports on a cyberattack that occurred at an auto dealership, which was severely impacted and unable to operate for several days. The attack was carried out by a sophisticated hacker who used ransomware to encrypt the dealership's data and demanded a large sum of money in exchange for the decryption key. The incident highlights the vulnerability of certain industries, such as healthcare and automotive, to cyberattacks. In this case, the auto dealership was unable to operate for several days, causing significant disruptions to its business operations. The report also notes that the hacker was able to hide inside the organization's framework undetected for a long time, waiting for the right moment to launch the attack. The expert, Dror Liwer, co-founder of cybersecurity company Coro, stated that this type of attack is often referred to as a "big game" and can have devastating consequences. The article also mentions that the FBI has reported on similar ransomware attacks targeting healthcare organizations, which are critical infrastructure and require immediate attention. It highlights the importance of having robust cybersecurity measures in place to prevent such incidents from occurring. Overall, the document emphasizes the need for companies to prioritize cybersecurity and take proactive measures to protect themselves against these types of attacks.
news	How to catch drones flown by criminals	https://www.bbc.com/future/article/20170731-how-cops-catch-drone-flying-criminals	The document appears to be a BBC article discussing the rise of drones in criminal activity, particularly in the UK. The article highlights how law enforcement agencies are struggling to keep up with the rapid development and widespread availability of consumer drones, which can be used for illegal activities such as drug smuggling and surveillance. The article quotes various experts, including a drone forensic investigator and a cybersecurity consultant, who emphasize the need for new skills and technologies to track and analyze drone activity. It also touches on concerns about the potential misuse of drones by terrorist organizations and the need for stricter regulations on their use. Some of the key points discussed in the article include: * The increasing popularity of consumer drones and their affordability * The rise of drones in criminal activity, including drug smuggling and surveillance * The challenges faced by law enforcement agencies in tracking and analyzing drone activity * The need for new skills and technologies to stay ahead of criminals who are using drones * Concerns about the potential misuse of drones by terrorist organizations * The need for stricter regulations on the use of drones Overall, the article highlights the growing importance of drone technology in criminal activity and the need for law enforcement agencies to adapt to this changing landscape.

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