Artificial Intelligence (AI) in Computer Vision Market will Reach USD 130.57 Billion, at a CAGR of 26.3% in 2030

Market Size – USD 15.87 Billion in 2021, Market Growth – at a CAGR of 26.3%

NEW YORK CITY, NEW YORK, USA, September 21, 2022 / EINPresswire.com/ -- The global Artificial Intelligence (AI) in computer vision market size is expected to reach USD 130.57 Billion in 2030 and register a revenue CAGR of 26.3% over the forecast period, according to the latest report by Reports and Data. Rising demand for computer vision systems in automotive applications and increasing demand for emotion AI are key factors driving revenue growth in the AI in computer vision market.

AI is the ability of a computer or a computer-enabled robotic system to manage data, produce output, and provide problem-solving outcomes that are similar to human thought processes. Computer vision is a branch of computer science that aims to simulate complexity of human vision system, allowing computers to recognize and process objects in images and videos in the same way that humans do. Major driving force behind development of computer vision is massive amount of data generated in everyday life and computer vision help to process them more efficiently and quickly. Accuracy of object detection has improved, as new hardware and algorithms in computer vision, have been introduced.

Emotion AI, also known as affective computing or artificial emotional intelligence, is a subset of AI (broad term for machines replicating way humans think) that measures understanding, simulates, and reacts to human emotions. . It's commonly used in mobile applications, such as Snapchat and Instagram filters for entertainment and fun, which is boosting growth of Emotion AI, which is also used for face recognition in high-level security devices.
However, rising safety and security-related concerns are expected to hamper growth of the market to a significant extent. One of the most common AI attacks in computer vision systems aims to make high-volume algorithms make incorrect predictions, which is accomplished by feeding the system malicious data. Essentially, goal of this type of attack is to present machines

with a picture that does not exist, forcing them to make decisions based on unverified data. Effect caused by attacker can be both long-lasting and can cause a huge loss of data. Attacks like this pose a far greater threat than many other AI security risks.

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Top 10 Profiled in the Artificial Intelligence (AI) in Computer Vision Market Report:
• NVIDIA Corporation
• Intel Corporation
• IBM
• Qualcomm Technologies
• Amazon Web Service
• Advanced Micro Device
• Google
• AlphaTechsys
• Hailo

Market Segmentation:
Component Outlook (Revenue, USD Billion; 2019–2030)
• Hardware
• Software

Machine Learning Model Outlook (Revenue, USD Billion; 2019–2030)
• Supervised Learning
• Unsupervised Learning
• Reinforcement Learning

Application Outlook (Revenue, USD Billion; 2019–2030)
• Non-industrial
• Industrial

End-use Outlook (Revenue, USD Billion; 2019–2030)
• Automotive
• Consumer Electronics
• Retail
• Security & Surveillance
• Manufacturing

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Key Takeaways of the Artificial Intelligence (AI) in Computer Vision Market Report:
- A comprehensive overview of the global Artificial Intelligence (AI) in Computer Vision industry.
- Accurate market projections in terms of market size, share, and volume.
- Thorough study of the global market dynamics, such as major market revenue growth drivers, opportunities, threats, challenges, restraints, and future growth avenues.
- Deep-dive analysis of the upcoming market trends.
- Qualitative and quantitative analyses of the Artificial Intelligence (AI) in Computer Vision Market.
- Elaborate study of the leading regional markets in the Artificial Intelligence (AI) in Computer Vision Market.
- Complete overview of the market's competitive landscape.
- Brief look at the company profiles and portfolios.

Key Regional Markets Covered in the Report:
- North America
o U.S.
o Canada
o Mexico

- Europe
o Russia
o U.K.
o Germany
o France
o BENELUX

o Rest of Europe

- Asia Pacific
o China
o Japan
o India
o South Korea
o Rest of Asia Pacific

- Latin America
o Brazil
o Rest of Latin America

- Middle East & Africa
o Saudi Arabia
o U.A.E.
o Israel
o Rest of Middle East & Africa

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