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US Computer Vision in Healthcare Market Size study, By Type (Software, Hardware, Networks), By Application (Medical Imaging & Diagnostics, Surgeries, Detection, Others), By End Users (Healthcare providers, Diagnostic centres, Academic research institutes, Others) Forecasts 2022-2032

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Abstracts

US Computer Vision in Healthcare Market is valued approximately USD 832.85 million in 2023 and is anticipated to grow with a healthy growth rate of more than 25.65% over the forecast period 2024-2032. Computer vision in healthcare involves leveraging technological advancements to empower computers in interpreting and analyzing visual data from real-world sources, specifically focusing on medical images and videos. This entails the creation and utilization of sophisticated algorithms and systems capable of autonomously extracting valuable insights from various medical imaging modalities, including X-rays, MRIs, CT scans, ultrasound images, and pathology slides. Furthermore, rising focus on advance diagnostic processes are gaining attention towards US Computer Vision in Healthcare Market. Computer vision technology offers significant potential in this regard by enabling automated analysis of medical images such as X-rays, MRIs, and CT scans. By leveraging sophisticated algorithms and machine learning techniques, computer vision systems can assist healthcare professionals in detecting anomalies and making timely and accurate diagnoses.

The US Computer Vision in Healthcare Market is driven by increasing prevalence of chronic diseases and government initiatives towards management of patient digital health records across the region. Chronic diseases generate vast amounts of patient data, including medical images, clinical records, and laboratory results. Computer vision

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technology, coupled with artificial intelligence and machine learning, can analyze these data sets to identify patterns, predict disease progression, and optimize treatment strategies, ultimately improving patient outcomes. In addition, The US government has been actively promoting the adoption of electronic health records (EHRs) through initiatives such as the Health Information Technology for Economic and Clinical Health (HITECH) Act and the Meaningful Use program. EHRs digitize patient health information, including medical images, making them more accessible and manageable. However, high spending associated with computer vision in healthcare and growing security measures is going to impede the overall demand for the market during the forecast period 2024-2032.

Major market player included in this report are:
Microsoft Corporation
International Business Machines Corporation
Intel Corporation
NVIDIA Corporation
AiCure LLC
iCAD Inc
Arterys Inc
Google LLC
Xilinx Inc
Company 10

The detailed segments and sub-segment of the market are explained below:

By Type
Software
Hardware
Networks

By Application
Medical Imaging & Diagnostics
Surgeries
Detection
Others

By End Users
Healthcare providers

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Diagnostic centres
Academic research institutes
Others

Years considered for the study are as follows:
Historical year – 2022
Base year – 2023
Forecast period – 2024 to 2032

Key Takeaways:
Market Estimates & Forecast for 10 years from 2022 to 2032.
Annualized revenues and Country level analysis for each market segment.
Detailed analysis of geographical landscape with Country level analysis of major regions.
Competitive landscape with information on major players in the market.
Analysis of key business strategies and recommendations on future market approach.
Analysis of competitive structure of the market.
Demand side and supply side analysis of the market.

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