

Deep Learning - Global Market Outlook (2017-2023)

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Abstracts

According to Statistics MRC, the Global Deep Learning Market is accounted for \$1.95 billion in 2016 and is expected to reach \$72.10 billion by 2023 growing at a CAGR of 67.4% during the forecast period. One of the major factors that will have a positive impact on the growth of this market includes the rising usage of deep learning technology among various industries such as automotive, advertisement, medical and others. Moreover, increasing acceptance of cloud based technology, high usage of deep learning in big data analytics, high R&D expansions for enhanced processing hardware for deep learning and rising applicability in healthcare and autonomous vehicles are fueling the market growth.

However, rising difficulty in hardware owing to composite algorithm used in deep learning technology is acting as key barrier for the market. Moreover, the market has tremendous growth opportunity such as utilization of deep learning technology in smartphones and medical image analysis. On the other hand, setback in approval of neuromorphic technology for deep learning and development of algorithms' at a faster pace when compared with its hardware.

Depending on application, data mining segment is anticipated to grow at a highest CAGR during the forecast period attributed to growing utilization of deep learning in cybersecurity and database systems and data analytics. By geography, North America commanded the largest market share due to the rising investments in neural networks and artificial intelligence.

Some of the key players in this market include General Vision Inc., Sensory Inc., Baidu Inc., Nvidia Corporation, Intel Corporation, Google Inc., SkyMind, Qualcomm Technologies, Inc, Hewlett Packard Enterprise, Microsoft Corporation, IBM Corporation, Advanced Micro Devices, Inc., Clarifai, Inc., HyperVerge and Entilic.

Solutions Covered:

Services

Hardware

Software

Applications Covered:

Data Mining

Image Recognition

Signal Recognition

Video Surveillance & Diagnostics

Other Applications

Hardware Components Covered:

Application-Specific Integration Circuit (ASIC)

Graphics Processing Unit (GPU)

Field Programmable Gate Array (FPGA)

Central Processing Unit (CPU)

End Users Covered:

Oil, Gas, & Energy

Finance

Industrial

Medical

Aerospace & Defense

Retail

Media & Advertising

Automotive

IT & Telecom

Agriculture

Education

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

U.K.

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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