

Global Artificial Intelligence (AI) Market Size Study, by Solution (Hardware, Software, Services), by Technology (Deep Learning, Machine Learning, Natural Language Processing, Machine Vision, Generative AI), by Function (Cybersecurity, Finance and Accounting, Human Resource Management, Legal and Compliance, Operations, Sales and Marketing, Supply Chain Management), by End-Use (Healthcare, BFSI, Law, Retail, Advertising & Media, Automotive & Transportation, Agriculture, Manufacturing, Others) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G5C0C6409352EN.html>

Date: October 2024

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G5C0C6409352EN

Abstracts

Global Artificial Intelligence Market is valued approximately at USD 196.63 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 36.6% over the forecast period 2024-2032. AI is a critical component in the development of intelligent systems capable of mimicking human reasoning and learning, is rapidly evolving. Key sectors like healthcare, automotive, retail, and finance are integrating AI solutions to optimize operations, enhance customer experience, and drive innovation. Major technology giants such as Google LLC, Microsoft, IBM, and Amazon are making significant investments in AI research and development, driving rapid advancements in AI capabilities. The global artificial intelligence (AI) market is poised for significant growth, driven by a surge in technological advancements, increasing adoption across various industries, and enhanced computing power.

One of the key driving forces behind the AI market's growth is the increasing accessibility of large datasets, which are crucial for training AI models. Governments,

healthcare institutions, and corporations are making historical data more readily available, promoting innovation in AI algorithms. Additionally, advancements in neural networks, such as Artificial Neural Networks (ANNs) and Generative Adversarial Networks (GANs), are significantly enhancing machine learning, enabling AI systems to perform tasks with increased accuracy. These technologies have paved the way for improved digital image processing, autonomous decision-making, and intelligent systems capable of transforming industries like automotive, manufacturing, and aerospace.

The rapid rise in demand for AI-driven solutions in cybersecurity, human resource management, and supply chain operations is contributing to the market's expansion. AI systems are being deployed to analyze vast amounts of data, detect anomalies, and optimize workflows across diverse industries. Moreover, the growing trend of AI integration in big data analytics, fueled by the need for organizations to extract valuable insights from unstructured data, is further accelerating market growth. However, challenges such as regulatory scrutiny, concerns over data privacy, and the high cost of AI implementation remain potential obstacles to market progress.

Regionally, North America leads the AI market, with significant investments from both the private and public sectors. Governments in the U.S. and Canada are funding AI research initiatives and incorporating AI-driven technologies in fields such as healthcare, transportation, and public safety. The Asia Pacific region is anticipated to experience the highest growth rate over the forecast period, driven by advancements in AI applications across educational institutions, manufacturing sectors, and government initiatives promoting AI adoption. Europe's AI market is also expanding rapidly due to increased investments in AI research and a strong focus on sustainability and digital transformation in industries.

Major market players included in this report are:

Microsoft Corporation

Intel Corporation

H2O.ai

Clarifai, Inc.

Atomwise, Inc.

Baidu, Inc.

HyperVerge, Inc.

AiCure

Arm Limited

Enlitic, Inc.

Cyrcadia Health

Google LLC

IBM Watson Health

Amazon.com, Inc.

Advanced Micro Devices (AMD)

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

By Solution:

- Hardware
- Software
- Services

By Technology:

- Deep Learning
- Machine Learning
- Natural Language Processing
- Machine Vision
- Generative AI

By Function:

- Cybersecurity
- Finance and Accounting
- Human Resource Management
- Legal and Compliance
- Operations
- Sales and Marketing
- Supply Chain Management

By End-Use:

- Healthcare
- BFSI (Banking, Financial Services, and Insurance)
- Law
- Retail
- Advertising & Media
- Automotive & Transportation
- Agriculture
- Manufacturing
- Others

By Region:

- North America
 - o U.S.
 - o Canada
- Europe
 - o UK
 - o Germany

- o France
- o Spain
- o Italy
- o ROE (Rest of Europe)
- Asia Pacific
 - o China
 - o India
 - o Japan
 - o Australia
 - o South Korea
 - o RoAPAC (Rest of Asia Pacific)
- Latin America
 - o Brazil
 - o Mexico
- Middle East & Africa
 - o Saudi Arabia
 - o South Africa
 - o RoMEA (Rest of Middle East & Africa)

Years considered for the study are as follows:

- Historical year: 2022
- Base year: 2023
- Forecast period: 2024 to 2032

Key Takeaways:

- Market estimates & forecasts for 10 years from 2022 to 2032.
- Annualized revenues and regional-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 approaches.
- Analysis of the competitive structure of the market.
- Demand-side and supply-side analysis of the market.

Contents

CHAPTER 1. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET EXECUTIVE SUMMARY

- 1.1. Global Artificial Intelligence (AI) Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Solution
 - 1.3.2. By Technology
 - 1.3.3. By Function
 - 1.3.4. By End-Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET DEFINITION AND RESEARCH ASSUMPTIONS

2.1. RESEARCH OBJECTIVE

- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Advancements in Machine Learning Algorithms
- 3.1.2. Increasing Computing Power
- 3.1.3. Availability of Big Data

3.2. Market Challenges

- 3.2.1. Data Privacy Concerns
- 3.2.2. High Implementation Costs

3.3. Market Opportunities

- 3.3.1. Rising Adoption Across Various End-Use Verticals
- 3.3.2. Increasing Use in Big Data Analytics

CHAPTER 4. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economic
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunity

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET SIZE & FORECASTS BY SOLUTION 2022-2032

5.1. Segment Dashboard

5.2. Global Artificial Intelligence (AI) Market: Solution Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Hardware

5.2.2. Software

5.2.3. Services

CHAPTER 6. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032

6.1. Segment Dashboard

6.2. Global Artificial Intelligence (AI) Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Deep Learning

6.2.2. Machine Learning

6.2.3. Natural Language Processing

6.2.4. Machine Vision

6.2.5. Generative AI

CHAPTER 7. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET SIZE & FORECASTS BY FUNCTION 2022-2032

7.1. Segment Dashboard

7.2. Global Artificial Intelligence (AI) Market: Function Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Cybersecurity

7.2.2. Finance and Accounting

7.2.3. Human Resource Management

7.2.4. Legal and Compliance

7.2.5. Operations

7.2.6. Sales and Marketing

7.2.7. Supply Chain Management

CHAPTER 8. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET SIZE & FORECASTS BY END-USE 2022-2032

8.1. Segment Dashboard

8.2. Global Artificial Intelligence (AI) Market: End-Use Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 8.2.1. Healthcare
- 8.2.2. BFSI
- 8.2.3. Law
- 8.2.4. Retail
- 8.2.5. Advertising & Media
- 8.2.6. Automotive & Transportation
- 8.2.7. Agriculture
- 8.2.8. Manufacturing
- 8.2.9. Others

CHAPTER 9. GLOBAL ARTIFICIAL INTELLIGENCE (AI) MARKET SIZE & FORECASTS BY REGION 2022-2032

- 9.1. North America Artificial Intelligence (AI) Market
 - 9.1.1. U.S. Artificial Intelligence (AI) Market
 - 9.1.1.1. Solution breakdown size & forecasts, 2022-2032
 - 9.1.1.2. Technology breakdown size & forecasts, 2022-2032
 - 9.1.1.3. Function breakdown size & forecasts, 2022-2032
 - 9.1.1.4. End use breakdown size & forecasts, 2022-2032
 - 9.1.2. Canada Artificial Intelligence (AI) Market
- 9.2. Europe Artificial Intelligence (AI) Market
 - 9.2.1. UK Artificial Intelligence (AI) Market
 - 9.2.2. Germany Artificial Intelligence (AI) Market
 - 9.2.3. France Artificial Intelligence (AI) Market
 - 9.2.4. Spain Artificial Intelligence (AI) Market
 - 9.2.5. Italy Artificial Intelligence (AI) Market
 - 9.2.6. Rest of Europe Artificial Intelligence (AI) Market
- 9.3. Asia Pacific Artificial Intelligence (AI) Market
 - 9.3.1. China Artificial Intelligence (AI) Market
 - 9.3.2. India Artificial Intelligence (AI) Market
 - 9.3.3. Japan Artificial Intelligence (AI) Market
 - 9.3.4. Australia Artificial Intelligence (AI) Market
 - 9.3.5. South Korea Artificial Intelligence (AI) Market
 - 9.3.6. Rest of Asia Pacific Artificial Intelligence (AI) Market
- 9.4. Latin America Artificial Intelligence (AI) Market
 - 9.4.1. Brazil Artificial Intelligence (AI) Market
 - 9.4.2. Mexico Artificial Intelligence (AI) Market
 - 9.4.3. Rest of Latin America Artificial Intelligence (AI) Market
- 9.5. Middle East & Africa Artificial Intelligence (AI) Market

- 9.5.1. Saudi Arabia Artificial Intelligence (AI) Market
- 9.5.2. South Africa Artificial Intelligence (AI) Market
- 9.5.3. Rest of Middle East & Africa Artificial Intelligence (AI) Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. Microsoft Corporation
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Market Strategies
 - 10.3.2. Intel Corporation
 - 10.3.3. H2O.ai
 - 10.3.4. Clarifai, Inc.
 - 10.3.5. Atomwise, Inc.
 - 10.3.6. Baidu, Inc.
 - 10.3.7. HyperVerge, Inc.
 - 10.3.8. AiCure
 - 10.3.9. Arm Limited
 - 10.3.10. Enlitic, Inc.
 - 10.3.11. Cyrcadia Health
 - 10.3.12. Google LLC
 - 10.3.13. IBM Watson Health
 - 10.3.14. Amazon.com, Inc.
 - 10.3.15. Advanced Micro Devices (AMD)

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes

List Of Tables

LIST OF TABLES:

- TABLE 1. Global Artificial Intelligence (AI) Market, Report Scope
- TABLE 2. Global Artificial Intelligence (AI) Market Estimates & Forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Artificial Intelligence (AI) Market Estimates & Forecasts by Solution 2022-2032 (USD Billion)
- TABLE 4. Global Artificial Intelligence (AI) Market Estimates & Forecasts by Technology 2022-2032 (USD Billion)
- TABLE 5. Global Artificial Intelligence (AI) Market Estimates & Forecasts by Function 2022-2032 (USD Billion)
- TABLE 6. Global Artificial Intelligence (AI) Market Estimates & Forecasts by End-Use 2022-2032 (USD Billion)
- TABLE 7. Global Artificial Intelligence (AI) Market by Segment, Estimates & Forecasts 2022-2032 (USD Billion)
- TABLE 8. North America Artificial Intelligence (AI) Market Estimates & Forecasts by Region 2022-2032 (USD Billion)
- TABLE 9. U.S. Artificial Intelligence (AI) Market Estimates & Forecasts by Solution 2022-2032 (USD Billion)
- TABLE 10. U.S. Artificial Intelligence (AI) Market Estimates & Forecasts by Technology 2022-2032 (USD Billion)
- TABLE 11. Canada Artificial Intelligence (AI) Market Estimates & Forecasts by Solution 2022-2032 (USD Billion)
- TABLE 12. Canada Artificial Intelligence (AI) Market Estimates & Forecasts by Technology 2022-2032 (USD Billion)
- TABLE 13. Europe Artificial Intelligence (AI) Market Estimates & Forecasts by Region 2022-2032 (USD Billion)
- TABLE 14. UK Artificial Intelligence (AI) Market Estimates & Forecasts by Solution 2022-2032 (USD Billion)
- TABLE 15. UK Artificial Intelligence (AI) Market Estimates & Forecasts by Technology 2022-2032 (USD Billion)
- TABLE 16. Germany Artificial Intelligence (AI) Market Estimates & Forecasts by Solution 2022-2032 (USD Billion)
- TABLE 17. Germany Artificial Intelligence (AI) Market Estimates & Forecasts by Technology 2022-2032 (USD Billion)
- TABLE 18. France Artificial Intelligence (AI) Market Estimates & Forecasts by Solution 2022-2032 (USD Billion)

TABLE 19. Spain Artificial Intelligence (AI) Market Estimates & Forecasts by Solution
2022-2032 (USD Billion)

TABLE 20. Italy Artificial Intelligence (AI) Market Estimates & Forecasts by Technology
2022-2032 (USD Billion)

This list is not complete; the final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES:

- FIG 1. Global Artificial Intelligence (AI) Market, Research Methodology
 - FIG 2. Global Artificial Intelligence (AI) Market, Market Estimation Techniques
 - FIG 3. Global Market Size Estimates & Forecast Methods
 - FIG 4. Global Artificial Intelligence (AI) Market, Key Trends 2023
 - FIG 5. Global Artificial Intelligence (AI) Market, Growth Prospects 2022-2032
 - FIG 6. Global Artificial Intelligence (AI) Market, Porters 5 Force Model
 - FIG 7. Global Artificial Intelligence (AI) Market, PESTEL Analysis
 - FIG 8. Global Artificial Intelligence (AI) Market, Value Chain Analysis
 - FIG 9. Global Artificial Intelligence (AI) Market by Solution 2022 & 2032 (USD Billion)
 - FIG 10. Global Artificial Intelligence (AI) Market by Technology 2022 & 2032 (USD Billion)
 - FIG 11. Global Artificial Intelligence (AI) Market by Function 2022 & 2032 (USD Billion)
 - FIG 12. Global Artificial Intelligence (AI) Market by End-Use 2022 & 2032 (USD Billion)
 - FIG 13. North America Artificial Intelligence (AI) Market 2022 & 2032 (USD Billion)
 - FIG 14. Europe Artificial Intelligence (AI) Market 2022 & 2032 (USD Billion)
 - FIG 15. Asia Pacific Artificial Intelligence (AI) Market 2022 & 2032 (USD Billion)
 - FIG 16. Latin America Artificial Intelligence (AI) Market 2022 & 2032 (USD Billion)
 - FIG 17. Middle East & Africa Artificial Intelligence (AI) Market 2022 & 2032 (USD Billion)
 - FIG 18. Global Artificial Intelligence (AI) Market, Company Market Share Analysis 2023
 - FIG 19. AI Adoption by Industry Sector 2023
 - FIG 20. Artificial Intelligence (AI) Market Growth Projections by Region 2024-2032
- This list is not complete; the final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Artificial Intelligence (AI) Market Size Study, by Solution (Hardware, Software, Services), by Technology (Deep Learning, Machine Learning, Natural Language Processing, Machine Vision, Generative AI), by Function (Cybersecurity, Finance and Accounting, Human Resource Management, Legal and Compliance, Operations, Sales and Marketing, Supply Chain Management), by End-Use (Healthcare, BFSI, Law, Retail, Advertising & Media, Automotive & Transportation, Agriculture, Manufacturing, Others) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G5C0C6409352EN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5C0C6409352EN.html>