

# **Global Generative AI Market Size study & Forecast, by Component (Software, Services), by Technology (Generative Adversarial Networks (GANs), Transformers, Variational auto-encoders, Diffusion Networks), by End-use (Media & Entertainment, BFSI, IT & Telecommunication, Healthcare, Automotive & Transportation, Others) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/GEC36030D0DEEN.html>

Date: April 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GEC36030D0DEEN

## **Abstracts**

Global Generative AI Market is valued at approximately USD 8339.2 million in 2021 and is anticipated to grow with a healthy growth rate of more than 34.73% over the forecast period 2022-2029. Generative AI is a form of artificial intelligence that uses machine learning algorithms to produce new, original data or material. This is specially designed to generate images, music, text, or other types of media. Additionally, generative AI has been tested in business to improve data for robotics process automation as well as in manufacturing as a tool for fast prototyping (RPA). The surge in the demand for machine learning and deep learning, coupled with the increasing adoption of transformers applications are the key factors that are stipulating the market demand across the globe.

The increasing government initiatives in artificial intelligence are acting as a catalyzing factor for the growth of the global market. The National Security Commission on Artificial Intelligence the Biden administration reported that the Biden administration's fiscal 2023 budget plan is for raising the government R&D budget to USD 204 billion, a 28% increase over financial year 2021 authorized levels. Part of that funding is likely to support new and existing National AI Research Institutes to bring federal, state, and

local agencies together with the private sector, non-profits, and academics to tackle AI based research and workforce development challenges. Therefore, these aforementioned factors are likely to exhibit a positive influence on market expansion at a substantial rate. Moreover, the increasing use of generative AI for building virtual worlds in the metaverse, as well as rising investments in Research & Development (R&D) activities are presenting various lucrative opportunities over the forecasting years. However, the lack of skilled professionals is challenging the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Generative AI Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue of USD 3059.5, owing to the rising funding investment of Artificial intelligence services, and rising initiatives for the adoption of generative AI applications in the region. Whereas, the Asia Pacific is also expected to grow with the highest CAGR of 37.65% during the forecast period, owing to factors such as rising deployment of AI related technologies, rising investment in AI technologies, rising research and development of Generative AI, and rising animation industry in the market space.

Major market players included in this report are:

Synthesia

MOSTLY AI Inc.

Genie AI Ltd.

Amazon Web Services, Inc.

IBM

Google LLC

Microsoft

Adobe

Rephrase.ai

D-ID

Recent Developments in the Market:

In January 2022, MOSTLY AI raised a fund of around USD 25 million in order to bring synthetic data across enterprises. It is deemed Europe's largest synthetic data investment which aims to build smarter AI platforms. It is a joint venture investment by Molten Ventures with participation from existing investors Earlybird and 42CAP, and new investor Citi Ventures.

In December 2022, Amazon Web Services, Inc. announced the launch of stability AI. Stability AI selected AWS as its preferred cloud provider to build and scale its AI models

for language, audio, video, and 3D content generation. Along with this Stability AI will collaborate with AWS to make its open-source tools and models available to students, researchers, startups, and enterprises around the world.

Global Generative AI Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Component, Technology, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Software

Services

By Technology:

Generative Adversarial Networks (GANs)

Transformers

Variational auto-encoders

Diffusion Networks

By End-use:

Media & Entertainment

BFSI

IT & Telecommunication

Healthcare  
Automotive & Transportation  
Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Million)
  - 1.2.1. Generative AI Market, by Region, 2019-2029 (USD Million)
  - 1.2.2. Generative AI Market, by Component, 2019-2029 (USD Million)
  - 1.2.3. Generative AI Market, by Technology, 2019-2029 (USD Million)
  - 1.2.4. Generative AI Market, by End-use, 2019-2029 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL GENERATIVE AI MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL GENERATIVE AI MARKET DYNAMICS**

- 3.1. Generative AI Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing adoption of transformers applications
    - 3.1.1.2. Rising demand for machine learning and deep learning
    - 3.1.1.3. Increasing govt initiatives in AI
  - 3.1.2. Market Challenges
    - 3.1.2.1. Lack of skilled professionals
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Increasing use of generative AI for building virtual worlds in the metaverse
    - 3.1.3.2. Rising investments in Research & Development (R&D) activities

### **CHAPTER 4. GLOBAL GENERATIVE 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
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL GENERATIVE AI MARKET, BY COMPONENT**

- 6.1. Market Snapshot
- 6.2. Global Generative AI Market by Component, Performance - Potential Analysis
- 6.3. Global Generative AI Market Estimates & Forecasts by Component 2019-2029 (USD Million)
- 6.4. Generative AI Market, Sub Segment Analysis
  - 6.4.1. Software
  - 6.4.2. Services

## **CHAPTER 7. GLOBAL GENERATIVE AI MARKET, BY TECHNOLOGY**

- 7.1. Market Snapshot
- 7.2. Global Generative AI Market by Technology, Performance - Potential Analysis
- 7.3. Global Generative AI Market Estimates & Forecasts by Technology 2019-2029 (USD Million)
- 7.4. Generative AI Market, Sub Segment Analysis
  - 7.4.1. Generative Adversarial Networks (GANs)

- 7.4.2. Transformers
- 7.4.3. Variational auto-encoders
- 7.4.4. Diffusion Networks

## **CHAPTER 8. GLOBAL GENERATIVE AI MARKET, BY END-USE**

- 8.1. Market Snapshot
- 8.2. Global Generative AI Market by End-use, Performance - Potential Analysis
- 8.3. Global Generative AI Market Estimates & Forecasts by End-use 2019-2029 (USD Million)
- 8.4. Generative AI Market, Sub Segment Analysis
  - 8.4.1. Media & Entertainment
  - 8.4.2. BFSI
  - 8.4.3. IT & Telecommunication
  - 8.4.4. Healthcare
  - 8.4.5. Automotive & Transportation
  - 8.4.6. Others

## **CHAPTER 9. GLOBAL GENERATIVE AI MARKET, REGIONAL ANALYSIS**

- 9.1. Generative AI Market, Regional Market Snapshot
- 9.2. North America Generative AI Market
  - 9.2.1. U.S. Generative AI Market
    - 9.2.1.1. Component breakdown estimates & forecasts, 2019-2029
    - 9.2.1.2. Technology breakdown estimates & forecasts, 2019-2029
    - 9.2.1.3. End-use breakdown estimates & forecasts, 2019-2029
  - 9.2.2. Canada Generative AI Market
- 9.3. Europe Generative AI Market Snapshot
  - 9.3.1. U.K. Generative AI Market
  - 9.3.2. Germany Generative AI Market
  - 9.3.3. France Generative AI Market
  - 9.3.4. Spain Generative AI Market
  - 9.3.5. Italy Generative AI Market
  - 9.3.6. Rest of Europe Generative AI Market
- 9.4. Asia-Pacific Generative AI Market Snapshot
  - 9.4.1. China Generative AI Market
  - 9.4.2. India Generative AI Market
  - 9.4.3. Japan Generative AI Market
  - 9.4.4. Australia Generative AI Market

- 9.4.5. South Korea Generative AI Market
- 9.4.6. Rest of Asia Pacific Generative AI Market
- 9.5. Latin America Generative AI Market Snapshot
  - 9.5.1. Brazil Generative AI Market
  - 9.5.2. Mexico Generative AI Market
  - 9.5.3. Rest of Latin America Generative AI Market
- 9.6. Rest of The World Generative AI Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Synthesia
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. MOSTLY AI Inc.
  - 10.2.3. Genie AI Ltd.
  - 10.2.4. Amazon Web Services, Inc.
  - 10.2.5. IBM
  - 10.2.6. Google LLC
  - 10.2.7. Microsoft
  - 10.2.8. Adobe
  - 10.2.9. Rephrase.ai
  - 10.2.10. D-ID

## **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
- 11.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Generative AI Market, report scope

TABLE 2. Global Generative AI Market estimates & forecasts by Region 2019-2029  
(USD Million)

TABLE 3. Global Generative AI Market estimates & forecasts by Component 2019-2029  
(USD Million)

TABLE 4. Global Generative AI Market estimates & forecasts by Technology 2019-2029  
(USD Million)

TABLE 5. Global Generative AI Market estimates & forecasts by End-use 2019-2029  
(USD Million)

TABLE 6. Global Generative AI Market by segment, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 7. Global Generative AI Market by region, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 8. Global Generative AI Market by segment, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 9. Global Generative AI Market by region, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 10. Global Generative AI Market by segment, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 11. Global Generative AI Market by region, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 12. Global Generative AI Market by segment, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 13. Global Generative AI Market by region, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 14. Global Generative AI Market by segment, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 15. Global Generative AI Market by region, estimates & forecasts, 2019-2029  
(USD Million)

TABLE 16. U.S. Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 17. U.S. Generative AI Market estimates & forecasts by segment 2019-2029  
(USD Million)

TABLE 18. U.S. Generative AI Market estimates & forecasts by segment 2019-2029  
(USD Million)

TABLE 19. Canada Generative AI Market estimates & forecasts, 2019-2029 (USD

Million)

TABLE 20. Canada Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 21. Canada Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 22. UK Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 23. UK Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 24. UK Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 25. Germany Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 26. Germany Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 27. Germany Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 28. France Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 29. France Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 30. France Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 31. Italy Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 32. Italy Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 33. Italy Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 34. Spain Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 35. Spain Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 36. Spain Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 37. RoE Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 38. RoE Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 39. RoE Generative AI Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 40. China Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 41. China Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 42. China Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 43. India Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 44. India Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 45. India Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 46. Japan Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 47. Japan Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 48. Japan Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 49. South Korea Generative AI Market estimates & forecasts, 2019-2029 (USD

Million)

TABLE 50. South Korea Generative AI Market estimates & forecasts by segment

2019-2029 (USD Million)

TABLE 51. South Korea Generative AI Market estimates & forecasts by segment

2019-2029 (USD Million)

TABLE 52. Australia Generative AI Market estimates & forecasts, 2019-2029 (USD

Million)

TABLE 53. Australia Generative AI Market estimates & forecasts by segment

2019-2029 (USD Million)

TABLE 54. Australia Generative AI Market estimates & forecasts by segment

2019-2029 (USD Million)

TABLE 55. RoAPAC Generative AI Market estimates & forecasts, 2019-2029 (USD

Million)

TABLE 56. RoAPAC Generative AI Market estimates & forecasts by segment

2019-2029 (USD Million)

TABLE 57. RoAPAC Generative AI Market estimates & forecasts by segment

2019-2029 (USD Million)

TABLE 58. Brazil Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 59. Brazil Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 60. Brazil Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 61. Mexico Generative AI Market estimates & forecasts, 2019-2029 (USD

Million)

TABLE 62. Mexico Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 63. Mexico Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 64. RoLA Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 65. RoLA Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 66. RoLA Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 67. Row Generative AI Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 68. Row Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 69. Row Generative AI Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 70. List of secondary sources, used in the study of global Generative AI Market

TABLE 71. List of primary sources, used in the study of global Generative AI Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Generative AI Market, research methodology
  - FIG 2. Global Generative AI Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Generative AI Market, key trends 2021
  - FIG 5. Global Generative AI Market, growth prospects 2022-2029
  - FIG 6. Global Generative AI Market, porters 5 force model
  - FIG 7. Global Generative AI Market, pest analysis
  - FIG 8. Global Generative AI Market, value chain analysis
  - FIG 9. Global Generative AI Market by segment, 2019 & 2029 (USD Million)
  - FIG 10. Global Generative AI Market by segment, 2019 & 2029 (USD Million)
  - FIG 11. Global Generative AI Market by segment, 2019 & 2029 (USD Million)
  - FIG 12. Global Generative AI Market by segment, 2019 & 2029 (USD Million)
  - FIG 13. Global Generative AI Market by segment, 2019 & 2029 (USD Million)
  - FIG 14. Global Generative AI Market, regional snapshot 2019 & 2029
  - FIG 15. North America Generative AI Market 2019 & 2029 (USD Million)
  - FIG 16. Europe Generative AI Market 2019 & 2029 (USD Million)
  - FIG 17. Asia Pacific Generative AI Market 2019 & 2029 (USD Million)
  - FIG 18. Latin America Generative AI Market 2019 & 2029 (USD Million)
  - FIG 19. Global Generative AI Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Generative AI Market Size study & Forecast, by Component (Software, Services), by Technology (Generative Adversarial Networks (GANs), Transformers, Variational auto-encoders, Diffusion Networks), by End-use (Media & Entertainment, BFSI, IT & Telecommunication, Healthcare, Automotive & Transportation, Others) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/GEC36030D0DEEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GEC36030D0DEEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970