

## **Saudi Arabia Big Data and Artificial Intelligence Market Report and Forecast 2025-2034**

Market Report | 2025-06-30 | 126 pages | EMR Inc.

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### **Report description:**

Saudi Arabia big data and artificial intelligence market size reached approximately USD 1.30 Billion in 2024. The market is projected to grow at a CAGR of 29.80% between 2025 and 2034, reaching a value of around USD 17.65 Billion by 2034.

#### Key Trends in the Market

Big data and artificial intelligence are some of the latest technologies utilised for business analytics, data analytics, and automation. Big data usually refers to sets of structured or unstructured data that are massive in size. These data sets are complex in structure, making them tough to solve through conventional methods. Artificial intelligence is a division of computer science where a simulation of human intelligence is created through programming and large datasets.

- The Saudi Arabia big data and artificial intelligence market growth is being propelled by the rising interest in automation, which has surged investments in the latest technologies such as artificial intelligence and machine learning. The government is also increasing its focus on the deployment of advanced systems for the automation of various sectors.

- The rising number of development plans for smart cities is another major trend in the market. With the emergence of 5G networking technology and the commencement of projects such as the line mega city in Saudi Arabia, the Saudi Arabia big data and artificial intelligence market demand is expected to rise during the forecast period.

- Substantial educational reforms are being introduced in the country to ensure that students can acquire better knowledge about the latest technologies and establish themselves in emerging fields such as artificial intelligence, data science, and blockchain, among others. Hence, one of the crucial Saudi Arabia big data and artificial intelligence market trends is increasing collaboration between the country's government with private institutes to ensure proper implementation of the changes.

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## Saudi Arabia Big Data and Artificial Intelligence Market Segmentation

The EMR's report titled "Saudi Arabia Big Data and Artificial Intelligence r Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

### Breakup by Component

- Hardware
- Software
- Service

### Breakup by Technology

- Deep Learning
- Machine Learning
- Natural Language Processing (NLP)
- Machine Vision

### Breakup by Organisation Size

- SMEs
- Large Enterprises

### Breakup by End Use

- IT and Telecom
- Retail
- Public and Government Institutions
- BFSI
- Healthcare
- Energy
- Construction and Manufacturing
- Others

### Market Share by Component

According to the Saudi Arabia big data and artificial intelligence market analysis, the software segment is expected to experience significant growth during the forecast period. Artificial intelligence software is likely to be increasingly implemented in construction projects such as mega-smart cities. Besides, the oil and gas sector in the country has already established itself as one of the prominent users of big data and artificial intelligence to improve productivity and real-time data analysis.

### Market Share by End-Use

Public and government institutions are likely to account for a major portion of Saudi Arabia big data and artificial intelligence market share. Within the Middle East, Saudi Arabia is poised to emerge as a frontrunner, driven by its substantial investments in novel technologies and advancements in smart city initiatives. The government's commitment to adopting innovative solutions and fostering smart city growth is anticipated to play a pivotal role in driving the expansion of the overall market in the coming

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years.

## Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the Saudi Arabia big data and artificial intelligence market, covering their competitive landscape and latest developments like mergers, acquisitions, investments, and expansion plans.

### Microsoft Corporation

Microsoft Corporation, established in 1975, is considered to be a prominent technological enterprise that has developed a diverse array of software products, services, devices, and solutions. The different types of products in its portfolio include operating systems, server applications, software development tools, business solutions, desktop and server management tools, as well as video games.

### Intel Corporation

Intel Corporation, founded in 1968, is a renowned American technology company that focuses on the development and production of a wide range of hardware and software products. The company is particularly recognised for its central processing units (CPUs), which serve as the brains of many computers and electronic devices worldwide.

### Amazon Web Services, Inc

Amazon Web Services, Inc., commonly known as AWS, is a pioneer company providing a comprehensive suite of cloud computing services. Founded in 2006, AWS's offerings encompass a diverse range of services, including computing power, storage solutions, databases, machine learning capabilities, analytics, content delivery, and more.

Other Saudi Arabia big data and artificial intelligence market players include NVIDIA Corporation, IBM Corporation, Oracle Corporation, SAP SE, IQVIA Inc., NEC Corporation, and SAS Institute Inc., among others.

## Table of Contents:

- 1 Executive Summary
  - 1.1 Market Size 2024-2025
  - 1.2 Market Growth 2025(F)-2034(F)
  - 1.3 Key Demand Drivers
  - 1.4 Key Players and Competitive Structure
  - 1.5 Industry Best Practices
  - 1.6 Recent Trends and Developments
  - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
  - 2.1 Market Trends
  - 2.2 Key Verticals
  - 2.3 Key Regions
  - 2.4 Supplier Power

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- 2.5 Buyer Power
- 2.6 Key Market Opportunities and Risks
- 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
  - 3.1 GDP Outlook
  - 3.2 GDP Per Capita Growth
  - 3.3 Inflation Trends
  - 3.4 Democracy Index
  - 3.5 Gross Public Debt Ratios
  - 3.6 Balance of Payment (BoP) Position
  - 3.7 Population Outlook
  - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
  - 4.1 Country Risk
  - 4.2 Business Climate
- 5 Global Big Data and Artificial Intelligence Market Overview
  - 5.1 Key Industry Highlights
  - 5.2 Global Big Data and Artificial Intelligence Historical Market (2018-2024)
  - 5.3 Global Big Data and Artificial Intelligence Market Forecast (2025-2034)
  - 5.4 Global Big Data and Artificial Intelligence Market Share by Region
    - 5.4.1 North America
    - 5.4.2 Europe
    - 5.4.3 Asia Pacific
    - 5.4.4 Latin America
    - 5.4.5 Middle East and Africa
- 6 Saudi Arabia Big Data and Artificial Intelligence Market Analysis
  - 6.1 Key Industry Highlights
  - 6.2 Saudi Arabia Big Data and Artificial Intelligence Historical Market (2018-2024)
  - 6.3 Saudi Arabia Big Data and Artificial Intelligence Market Forecast (2025-2034)
  - 6.4 Saudi Arabia Big Data and Artificial Intelligence Market by Component
    - 6.4.1 Hardware
      - 6.4.1.1 Historical Trend (2018-2024)
      - 6.4.1.2 Forecast Trend (2025-2034)
    - 6.4.2 Software
      - 6.4.2.1 Historical Trend (2018-2024)
      - 6.4.2.2 Forecast Trend (2025-2034)
    - 6.4.3 Service
      - 6.4.3.1 Historical Trend (2018-2024)
      - 6.4.3.2 Forecast Trend (2025-2034)
  - 6.5 Saudi Arabia Big Data and Artificial Intelligence Market by Technology
    - 6.5.1 Deep Learning
      - 6.5.1.1 Historical Trend (2018-2024)
      - 6.5.1.2 Forecast Trend (2025-2034)
    - 6.5.2 Machine Learning
      - 6.5.2.1 Historical Trend (2018-2024)
      - 6.5.2.2 Forecast Trend (2025-2034)
    - 6.5.3 Natural Language Processing (NLP)

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- 6.5.3.1 Historical Trend (2018-2024)
- 6.5.3.2 Forecast Trend (2025-2034)
- 6.5.4 Machine Vision
  - 6.5.4.1 Historical Trend (2018-2024)
  - 6.5.4.2 Forecast Trend (2025-2034)
- 6.6 Saudi Arabia Big Data and Artificial Intelligence Market by Organisation Size
  - 6.6.1 SMEs
    - 6.6.1.1 Historical Trend (2018-2024)
    - 6.6.1.2 Forecast Trend (2025-2034)
  - 6.6.2 Large Enterprises
    - 6.6.2.1 Historical Trend (2018-2024)
    - 6.6.2.2 Forecast Trend (2025-2034)
- 6.7 Saudi Arabia Big Data and Artificial Intelligence Market by End Use
  - 6.7.1 IT and Telecom
    - 6.7.1.1 Historical Trend (2018-2024)
    - 6.7.1.2 Forecast Trend (2025-2034)
  - 6.7.2 Retail
    - 6.7.2.1 Historical Trend (2018-2024)
    - 6.7.2.2 Forecast Trend (2025-2034)
  - 6.7.3 Public and Government Institutions
    - 6.7.3.1 Historical Trend (2018-2024)
    - 6.7.3.2 Forecast Trend (2025-2034)
  - 6.7.4 BFSI
    - 6.7.4.1 Historical Trend (2018-2024)
    - 6.7.4.2 Forecast Trend (2025-2034)
  - 6.7.5 Healthcare
    - 6.7.5.1 Historical Trend (2018-2024)
    - 6.7.5.2 Forecast Trend (2025-2034)
  - 6.7.6 Energy
    - 6.7.6.1 Historical Trend (2018-2024)
    - 6.7.6.2 Forecast Trend (2025-2034)
  - 6.7.7 Construction and Manufacturing
    - 6.7.7.1 Historical Trend (2018-2024)
    - 6.7.7.2 Forecast Trend (2025-2034)
  - 6.7.8 Others
- 7 Market Dynamics
  - 7.1 SWOT Analysis
    - 7.1.1 Strengths
    - 7.1.2 Weaknesses
    - 7.1.3 Opportunities
    - 7.1.4 Threats
  - 7.2 Porter's Five Forces Analysis
    - 7.2.1 Supplier's Power
    - 7.2.2 Buyer's Power
    - 7.2.3 Threat of New Entrants
    - 7.2.4 Degree of Rivalry
    - 7.2.5 Threat of Substitutes

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- 7.3 Key Indicators for Demand
- 7.4 Key Indicators for Price
- 8 Competitive Landscape
- 8.1 Supplier Selection
- 8.2 Key Global Players
- 8.3 Key Regional Players
- 8.4 Key Player Strategies
- 8.5 Company Profiles
  - 8.5.1 Microsoft Corporation
    - 8.5.1.1 Company Overview
    - 8.5.1.2 Product Portfolio
    - 8.5.1.3 Demographic Reach and Achievements
    - 8.5.1.4 Certifications
  - 8.5.2 Amazon Web Services, Inc.
    - 8.5.2.1 Company Overview
    - 8.5.2.2 Product Portfolio
    - 8.5.2.3 Demographic Reach and Achievements
    - 8.5.2.4 Certifications
  - 8.5.3 Intel Corporation
    - 8.5.3.1 Company Overview
    - 8.5.3.2 Product Portfolio
    - 8.5.3.3 Demographic Reach and Achievements
    - 8.5.3.4 Certifications
  - 8.5.4 NVIDIA Corporation
    - 8.5.4.1 Company Overview
    - 8.5.4.2 Product Portfolio
    - 8.5.4.3 Demographic Reach and Achievements
    - 8.5.4.4 Certifications
  - 8.5.5 IBM Corporation
    - 8.5.5.1 Company Overview
    - 8.5.5.2 Product Portfolio
    - 8.5.5.3 Demographic Reach and Achievements
    - 8.5.5.4 Certifications
  - 8.5.6 Oracle Corporation
    - 8.5.6.1 Company Overview
    - 8.5.6.2 Product Portfolio
    - 8.5.6.3 Demographic Reach and Achievements
    - 8.5.6.4 Certifications
  - 8.5.7 SAP SE
    - 8.5.7.1 Company Overview
    - 8.5.7.2 Product Portfolio
    - 8.5.7.3 Demographic Reach and Achievements
    - 8.5.7.4 Certifications
  - 8.5.8 IQVIA Inc.
    - 8.5.8.1 Company Overview
    - 8.5.8.2 Product Portfolio
    - 8.5.8.3 Demographic Reach and Achievements

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- 8.5.8.4 Certifications
- 8.5.9 NEC Corporation
  - 8.5.9.1 Company Overview
  - 8.5.9.2 Product Portfolio
  - 8.5.9.3 Demographic Reach and Achievements
  - 8.5.9.4 Certifications
- 8.5.10 SAS Institute Inc.
  - 8.5.10.1 Company Overview
  - 8.5.10.2 Product Portfolio
  - 8.5.10.3 Demographic Reach and Achievements
  - 8.5.10.4 Certifications
- 8.5.11 Others

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