

Global Graph Neural Networks Market 2026 by Company, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GD52276E023CEN.html>

Date: February 2026

Pages: 97

Price: US\$ 3,480.00 (Single User License)

ID: GD52276E023CEN

Abstracts

According to our (Global Info Research) latest study, the global Graph Neural Networks market size was valued at US\$ 3025 million in 2025 and is forecast to a readjusted size of US\$ 15058 million by 2032 with a CAGR of 25.7% during review period.

Graph Neural Networks (GNNs) are a class of deep learning models designed to operate directly on graph-structured data by learning representations of nodes, edges, and entire graphs through iterative message passing among connected entities. Unlike traditional neural networks that assume fixed-grid inputs, GNNs exploit the relational topology of graphs, aggregating and transforming information from each node's neighbors to capture both local structure and global context. This enables GNNs to model complex dependencies in non-Euclidean domains such as social networks, molecular structures, knowledge graphs, transportation systems, and recommendation engines, making them particularly effective for tasks like node classification, link prediction, graph clustering, and graph-level inference.

The Graph Neural Networks market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

Market segmentation

Graph Neural Networks market is split by Type and by Application. For the period

2026-2032, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type,

Homogeneous GNNs

Heterogeneous GNNs

Market segment by Learning Paradigm

Transductive GNNs

Inductive GNNs

Market segment by Application

IT & Telecom

Autonomous Driving

Industrial Automation

Others

Market segment by players, this report covers

Google

OpenAI

Anthropic

Meta

Baidu

IBM

Tesla

Micropsi

Corti

Blackbird.AI

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific (China, Japan, South Korea, Rest of Asia)

South America

Middle East & Africa

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