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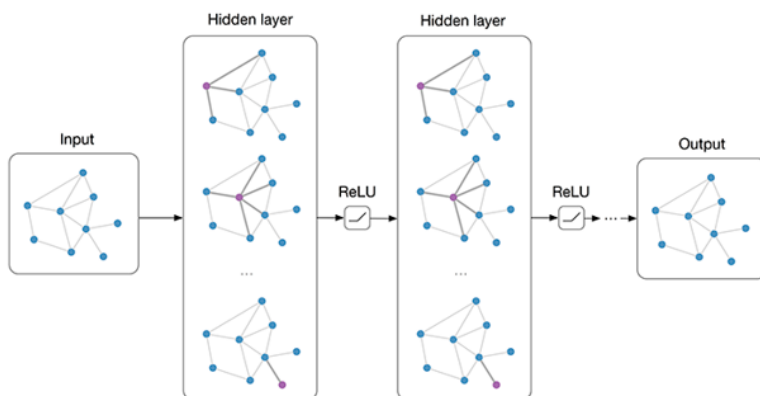
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## Graph Neural Networks

### Graph Neural Networks (GNNs)

A Graph Neural Network (GNN) is a type of Neural Network that directly operates on a graph structure. A typical application of GNN is node classification. Essentially, every node in the graph is associated with a label, and we want to predict the label of the nodes without the ground truth.

Graph Neural Networks have gained increasing popularity in various domains, including social networks, knowledge graphs, recommender systems, and even life sciences. The power of GNNs in modeling the dependencies between nodes in a graph has enabled breakthroughs in the research area of graph analysis.



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