Non-linear Structures

Non-linear data structures store data in hierarchical or networked relationships rather than a straight sequence.

Trees:

A hierarchical structure with nodes and edges. Examples include binary trees, AVL trees, and B-trees.

Graphs:

A collection of vertices connected by edges. Used in mapping, networking, and relationship modeling.

Heaps:

A specialized tree-based structure used in priority queues, maintaining either min or max order.