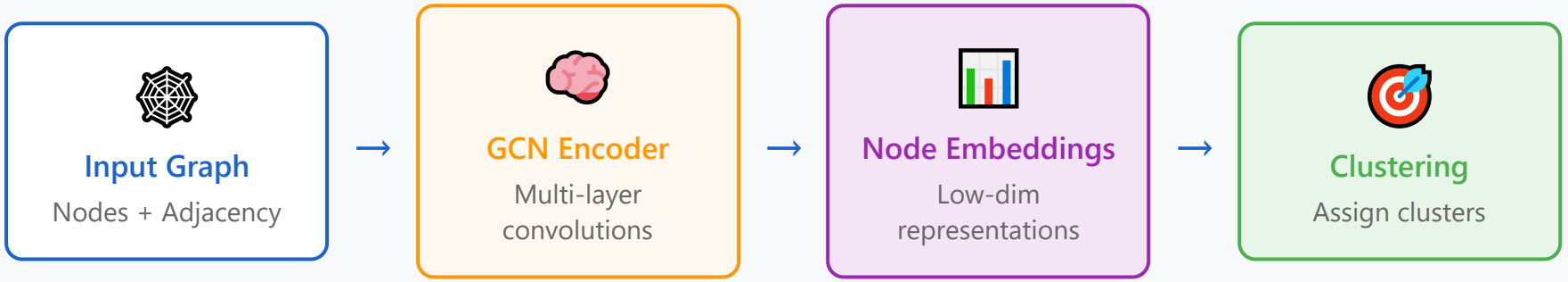
Clustering with Graph Convolutional Networks (GCN)

End-to-End Trainable Graph Clustering

GCN-based Clustering Architecture



Key Features

- ✓ Supervised or unsupervised learning
- ✓ Captures local & global structure

Advantages

- ✓ Outperforms spectral methods
- ✓ Better on benchmarks

✓ Joint optimization of encoder & clustering

✓ Learns rich node representations