

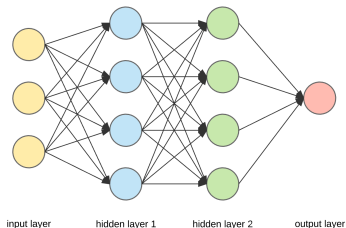
# CONVOLUTIONAL NEURAL NETWORK

## OUTLINE

- **Basic concepts**
- Convolutional Neural Network History
- Convolutional Neural Network Architectures
- Applications

# CONVOLUTIONAL NEURAL NETWORK

## Basic concepts



**Neural network** A network or a circuit of neurons

**Artificial neural networks(ANN)** computing systems inspired by biological neural network that constitute animal brain

**Node** Also called a neuron or Perceptron, is a computational unit that has one or more weighted input connections

**Layers** Sets of neurons

**Convolutional neural network** Artificial neural networks where the connections between layers appear to be somewhat arbitrary

# CONVOLUTIONAL NEURAL NETWORK

## Convolutional Neural Network History

