

Topic: Deep Learning

1. What is the primary purpose of the pooling layer in a Convolutional Neural Network?
2. What type of layer in a Convolutional Neural Network (CNN) scans the input data using a set of learnable filters, generating feature maps?
3. What type of layer in a Convolutional Neural Network scans the input data using a set of learnable filters, generating feature maps?
4. What type of neural network is designed to process data with grid-like topology, and utilizes a key concept of spatial hierarchy?
5. What type of layer in a Convolutional Neural Network (CNN) down-samples the feature maps to reduce spatial dimensions?