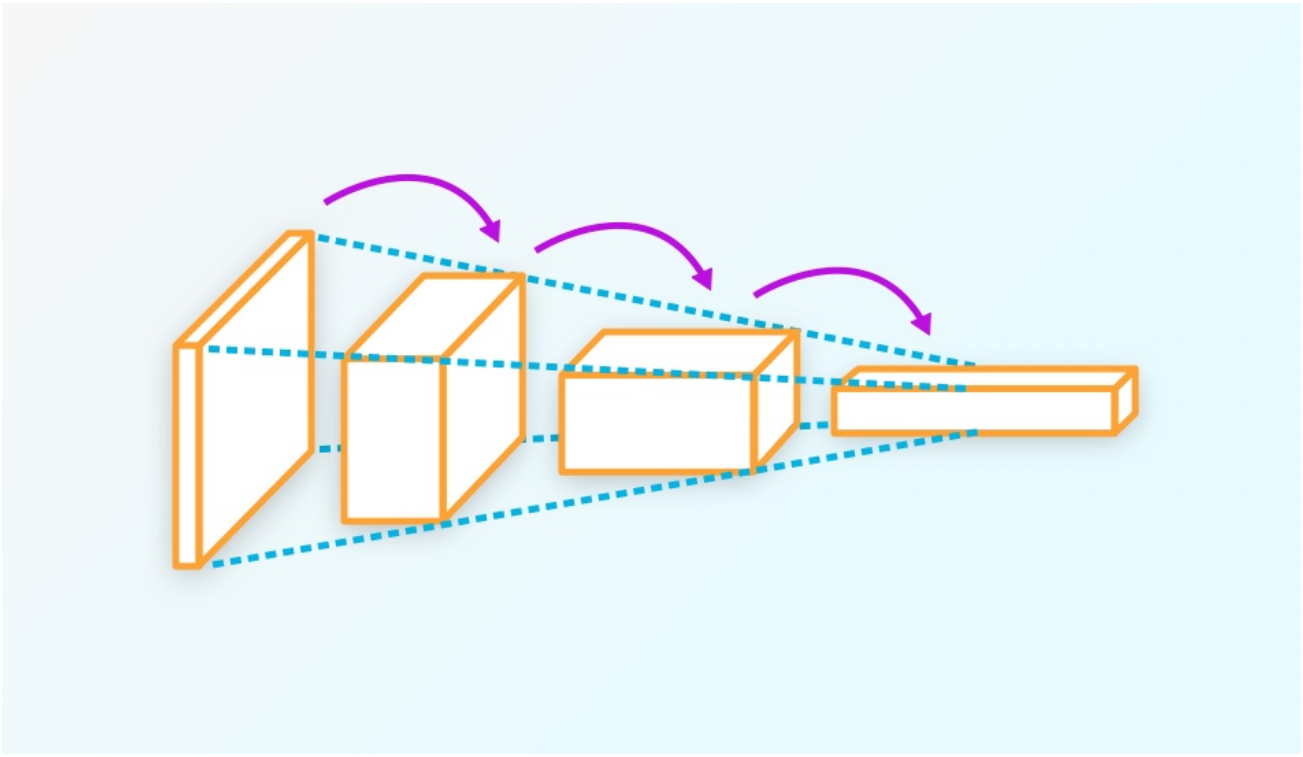

You'll also use convolutional networks to build an *autoencoder*, a network architecture used for image compression and denoising. Then, you'll use a pretrained neural network (VGGnet), to classify images of flowers the network has never seen before, a technique known as *transfer learning*.

Recurrent Neural Networks

In this part, you'll learn about Recurrent Neural Networks (RNNs)—a type of network architecture particularly well suited to data that forms sequences like text, music, and time series data. You'll build a recurrent neural network that can generate new text character by character.