Recap: Convolutional Neural Networks (CNNs)
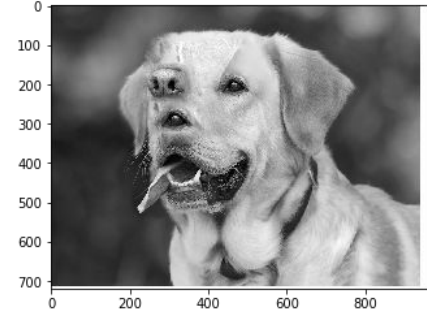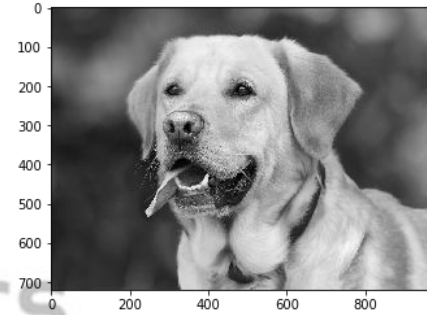
Problems with using MLP for Images
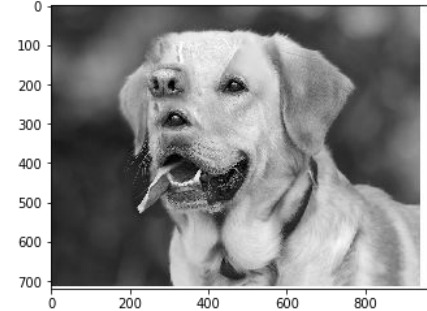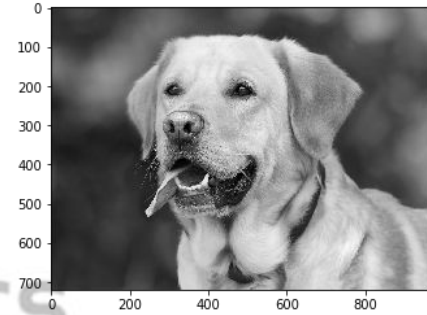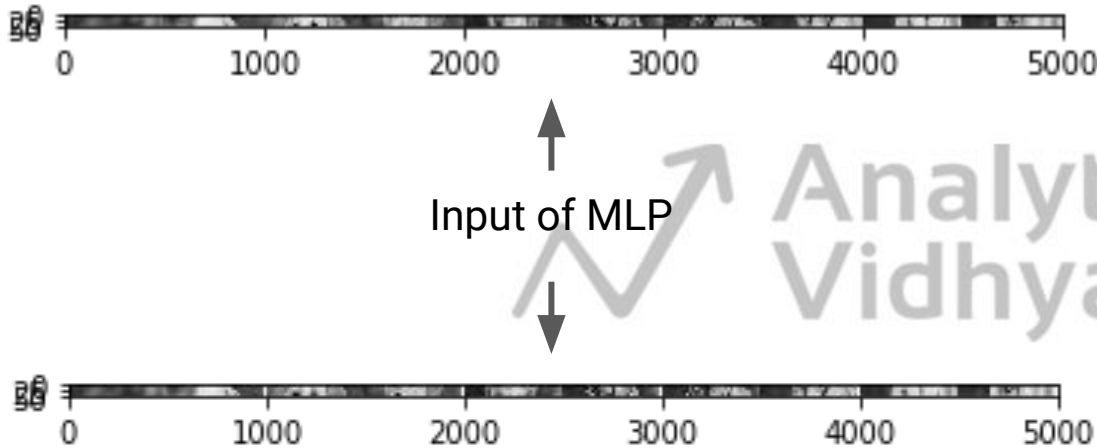

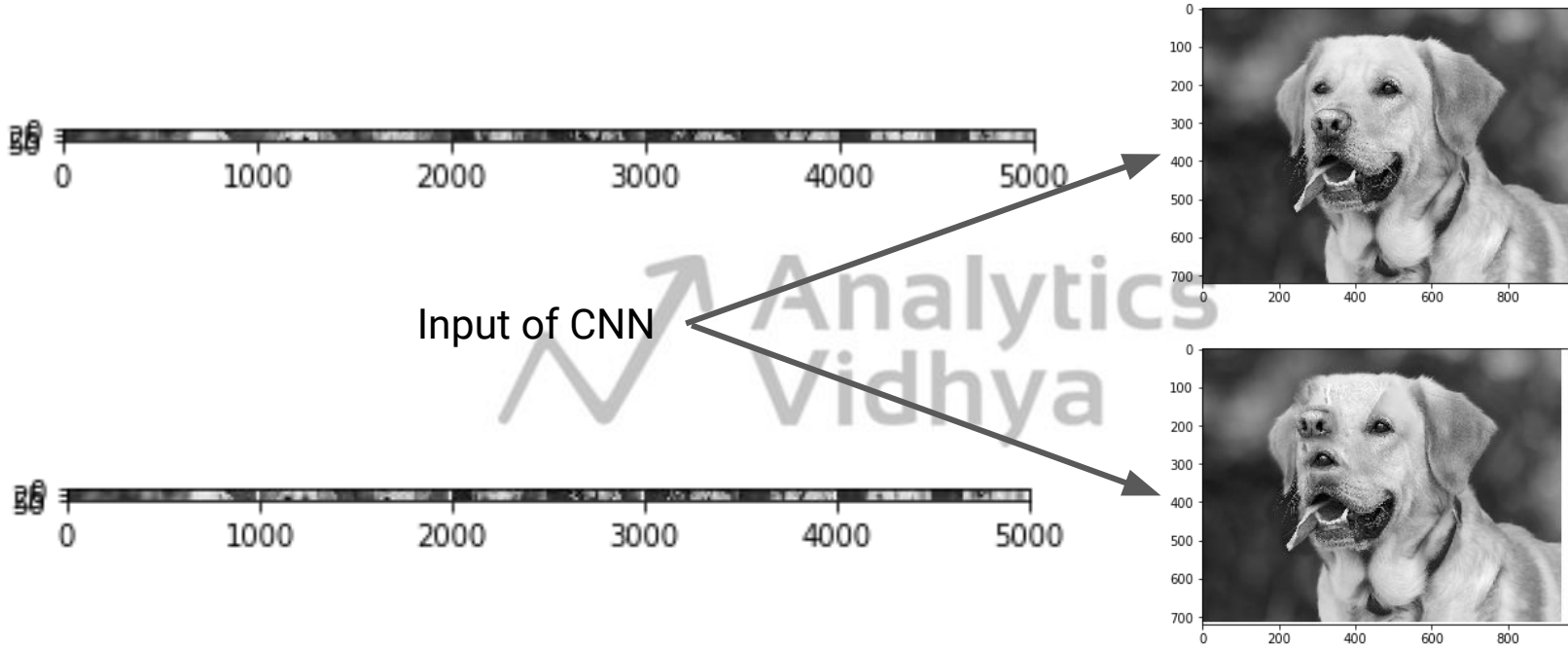Losing spatial Orientation of Images

Problems with using MLP for Images

Input of MLP

Losing spatial Orientation of Images

Problems with using MLP for Images

Input of CNN

Losing spatial Orientation of Images

Convolutional Neural Networks (CNNs)

Input Layer → Convolution Layer → Hidden Layer → Output Layer

Convolutional Neural Networks (CNNs)

Input Layer → Convolution Layer → Hidden Layer → Output Layer

Convolutional Neural Networks (CNNs)

Input Layer	→	Convolution Layer	→	Hidden Layer	→	Output Layer

Convolutional Neural Networks (CNNs)

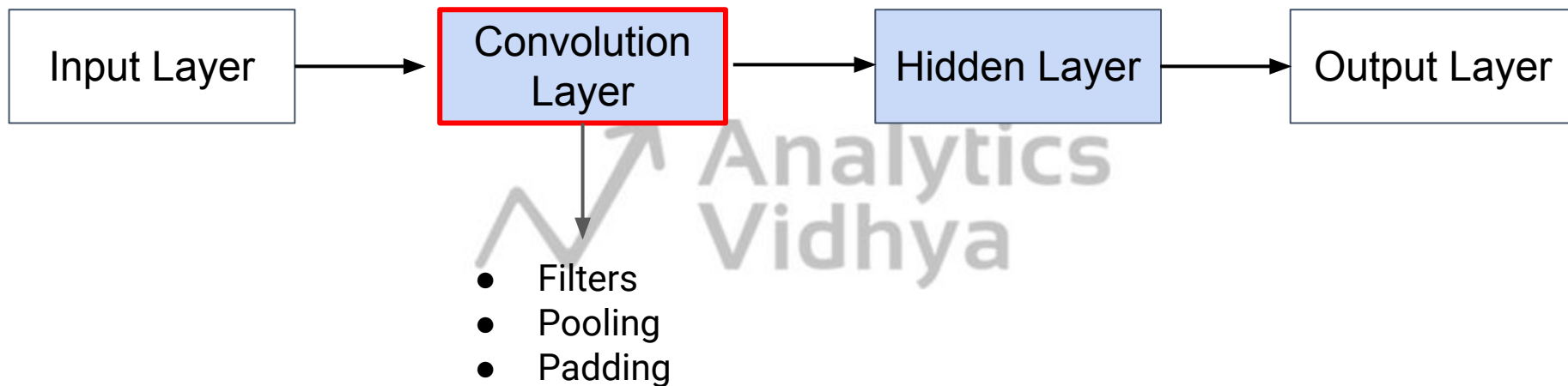Input Layer → Convolution Layer → Hidden Layer → Output Layer

- Filters
- Pooling
- Padding

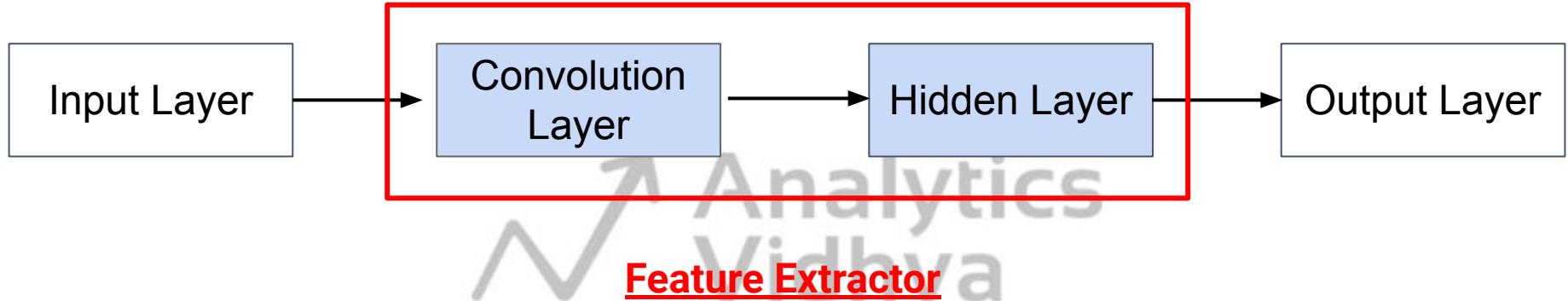# Convolutional Neural Networks (CNNs)

Convolutional Neural Networks (CNNs)

Convolutional Neural Networks (CNNs)

Thank You