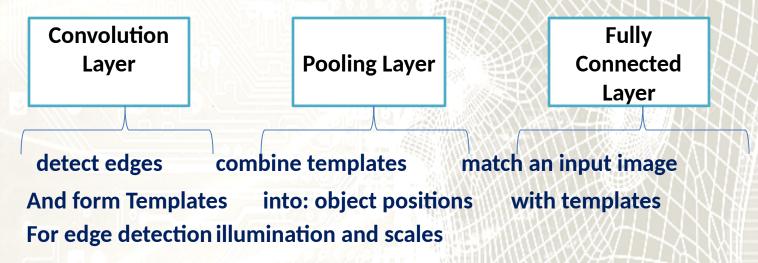# Deep CNNs work by ......

consecutively modeling small pieces of information and combining them deeper in network.

Convolution Layer	Pooling Layer	Fully Connected Layer

detect edges   **combine templates**   **match an input image**

And form Templates   **into: object positions**   **with templates**

For edge detection illumination and scales

So, deep CNNs are able to model complex variations and behaviour giving highly accurate predictions.