DL Assignment: 02

I. Conv2D Layers: → 1792

$(3 \times 3 \times 64 \times 3) + 64$

kernal, filter, channel, Back-propogation

II. Conv2D Layer 2: → 18464

$(3 \times 3 \times 32 \times 64) + 32$

kernal, filter, filter from previous channel, backprop

III Dense Layer-I: → 1049088

$(512 \times 2048) + 512$

neuron, output, Back propogation

in the layer

from flatten layer

IV. Dense Layers 2 → 65664

(128 × 512) + 128

neurons o/p from previous layer

back propagation

V. Dense Layer 3 → 8256

(64 × 128) + 64

neurons o/p from pre dense layer

back prop.

VI. Dense layer 4 → 2080

$(32 \times 64) + 32$

- 32 → neurons
- 64 → o/p from prev.
- 32 → back prop.

VII. Dense layer 5 (output layer) → 330

$(10 \times 32) + 10$

- 10 → no. of o/p neurons
- 32 → o/p from prev. layer
- 10 → back prop

Total trainable

para : = 1,145,674.