Class Activity

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Question no 1:-

| layer | output size |
|-----------------|---------------|
| Input layer | 128 × 128 × 3 |
| Conv layer 1 | 128 X128 X32 |
| Pooling layer 1 | 64 × 64 × 32 |
| Conv layer 2 | 64×64×64 |
| Pooling layer 2 | 32 x32 x 64 |
| Flatten layer | 65536 |
| Dense layer | 128 |
| Output layer | 10 |

working:

O Input dimension - Filter size + 2 x Padding + 1

Stride

128 - 3 + 2 x0 +1 = 128

D Imput size = 128 = 64 Stride 2

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|--|---|
| Question no 2: | |
| Layer | No of trainable par |
| Input layer | |
| | 896 |
| Conv layer 1 Poolin layer | |
| Conv layer 2 | 18496 |
| pooling layer 2 | Hard I made with the |
| Flatten layer | |
| Dense layer | 83 88736 |
| output layer | |
| 11)0/1/200 | 8 ST - MANOT SONO |
| Workings- | *************************************** |

(Filter width x Filter height x Input depth x No of filters) + No of bicses)

 $(3 \times 3 \times 3 \times 32) + 32) = 896$

(3x3x32x64)+64 = 18496

(65536 X 128) 4128 2 8388736

(128 *10) +10 = 1290

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