Model is Fashion\_MNIST\_CNN(

  (layer1): Sequential(

    (0): Conv2d(1, 32, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

    (1): BatchNorm2d(32, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

    (2): ReLU()

    (3): MaxPool2d(kernel\_size=2, stride=2, padding=0, dilation=1, ceil\_mode=False)

  )

  (layer2): Sequential(

    (0): Conv2d(32, 64, kernel\_size=(3, 3), stride=(1, 1))

    (1): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

    (2): ReLU()

    (3): MaxPool2d(kernel\_size=2, stride=2, padding=0, dilation=1, ceil\_mode=False)

  )

  (fc1): Linear(in\_features=2304, out\_features=600, bias=True)

  (drop): Dropout2d(p=0.25, inplace=False)

  (fc2): Linear(in\_features=600, out\_features=120, bias=True)

  (fc3): Linear(in\_features=120, out\_features=10, bias=True)

)

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epoch 0 | train loss : 0.4617224335670471

epoch 0 | Validation loss : 0.31251537799835205

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epoch 1 | train loss : 0.2918742001056671

epoch 1 | Validation loss : 0.27474740147590637

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epoch 2 | train loss : 0.25091177225112915

epoch 2 | Validation loss : 0.2626763582229614

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epoch 3 | train loss : 0.22133061289787292

epoch 3 | Validation loss : 0.25369346141815186

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epoch 4 | train loss : 0.20303447544574738

epoch 4 | Validation loss : 0.26531901955604553

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epoch 5 | train loss : 0.1889916956424713

epoch 5 | Validation loss : 0.2589437663555145

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epoch 6 | train loss : 0.17409785091876984

epoch 6 | Validation loss : 0.24925421178340912

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epoch 7 | train loss : 0.16152030229568481

epoch 7 | Validation loss : 0.25168725848197937

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epoch 8 | train loss : 0.15300384163856506

epoch 8 | Validation loss : 0.28593143820762634

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epoch 9 | train loss : 0.1405070573091507

epoch 9 | Validation loss : 0.26920488476753235

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epoch 10 | train loss : 0.13690444827079773

epoch 10 | Validation loss : 0.29819104075431824

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epoch 11 | train loss : 0.12778395414352417

early stopping

train accuracy : 0.9493125081062317

Validation accuracy : 0.9150833487510681