

Full names	Students id	Contributions
Feng Zhang	002253103	Model test ,optimization,report
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For each of the sections below, report the obtained accuracy on your test.

Fully connected neural network

Report the number of hidden layers you used in your experiment and which number that gave you the best accuracy:

Number of layers your tried:	2, 4, 6, 8, 10, 13, 16
Number of layers that gave you the best accuracy:	2 layers
Validation accuracy:	46%
Test accuracy:	44%

Convolution Neural Networks

Report the number of hidden layers you used in your experiment and which number that gave you the best accuracy:

Number of layers your tried:	6, 8, 10, 13, 16
Number of layers that gave you the best accuracy:	8 layers
Validation accuracy:	64%
Test accuracy:	64%

Explanation of the obtained results

Give a brief explanation of the obtained.

In Fully connected neural network ,the validation accuracy become lower with more layers.

Therefore, using more layers are useless.

In convolution Neural Networks, the validation accuracy will increase at beginning, then it will be lower gradually.