

5043 Advanced Machine Learning - HW 4

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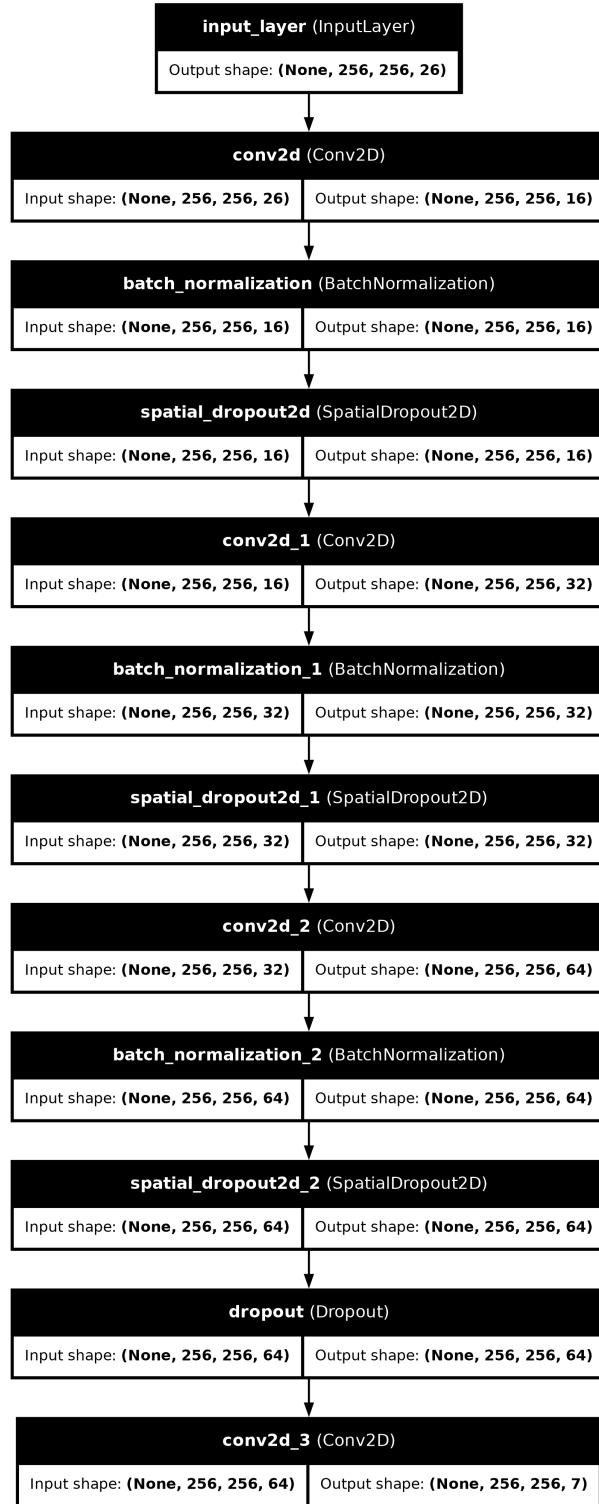
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1 Figures

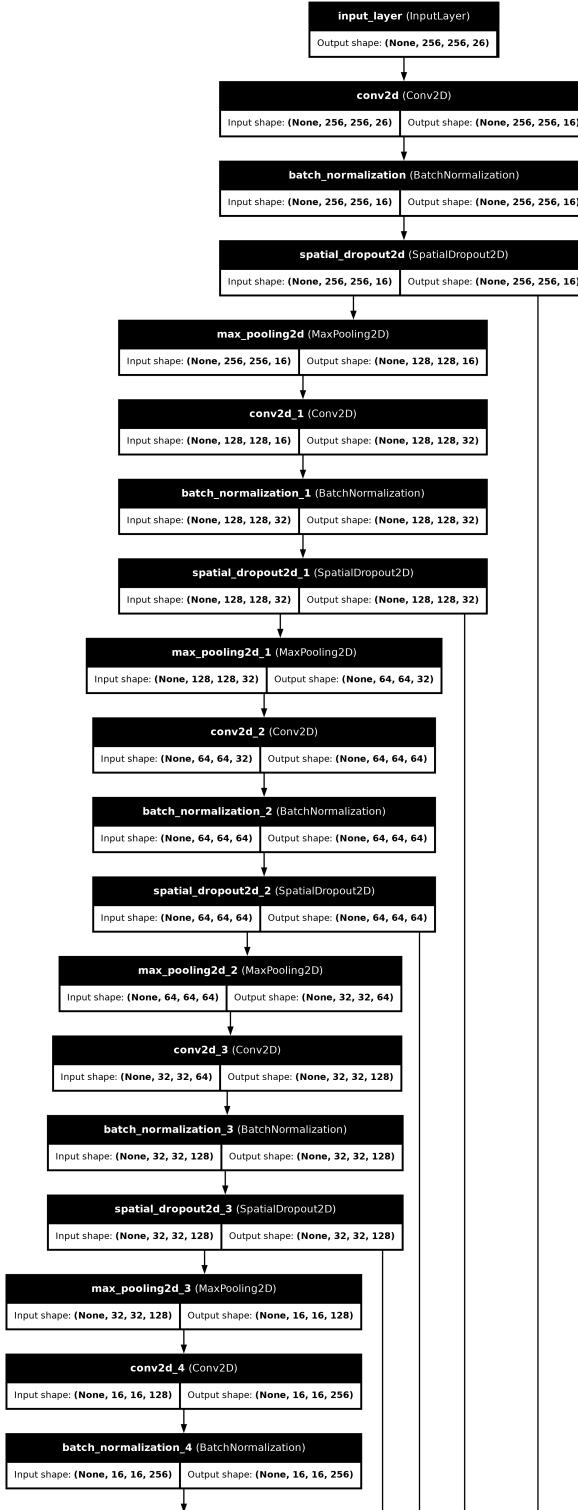
1.1 Figure 1a



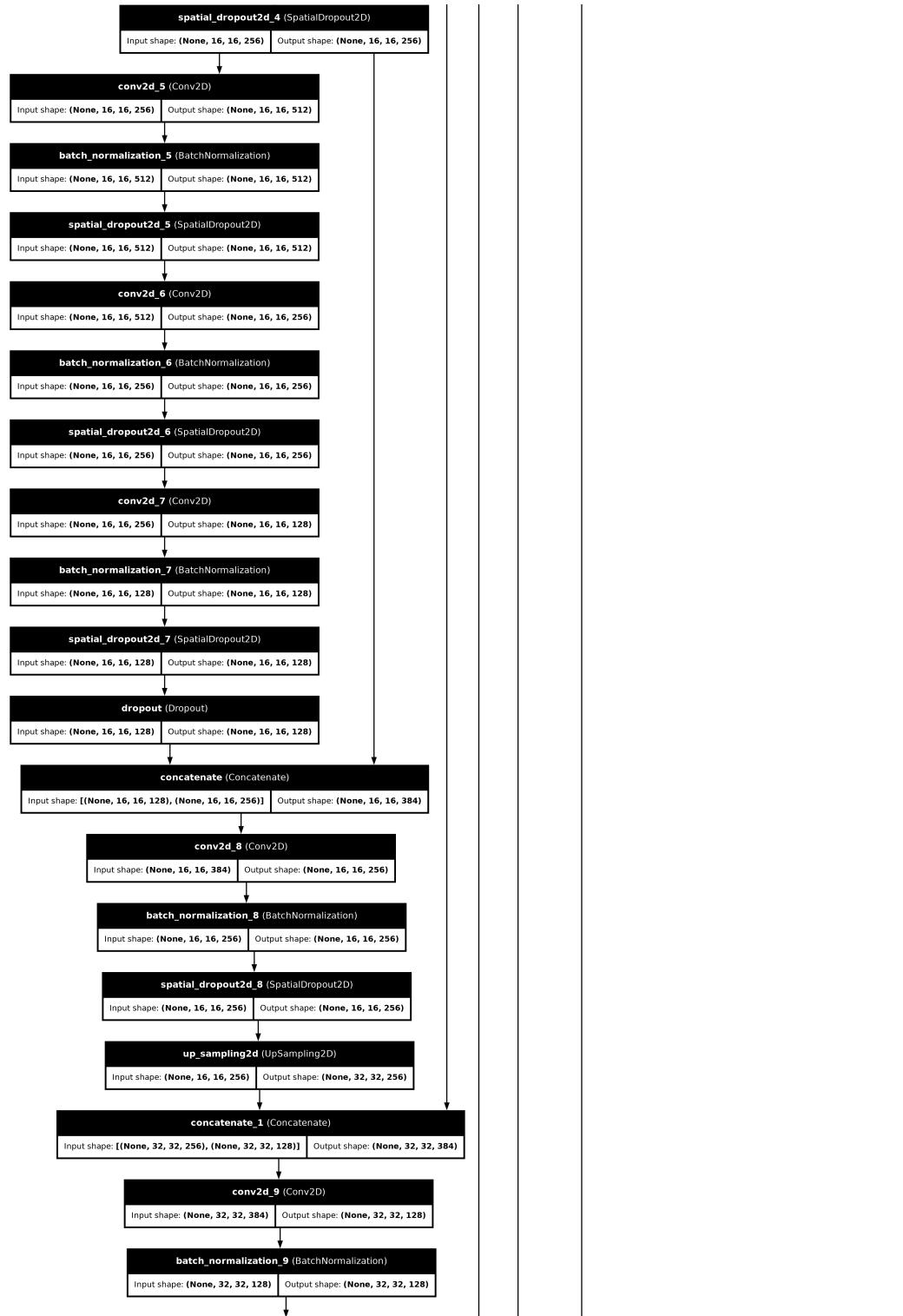
1.2 Figure 1b

Fig. 1: Shallow Model Architecture

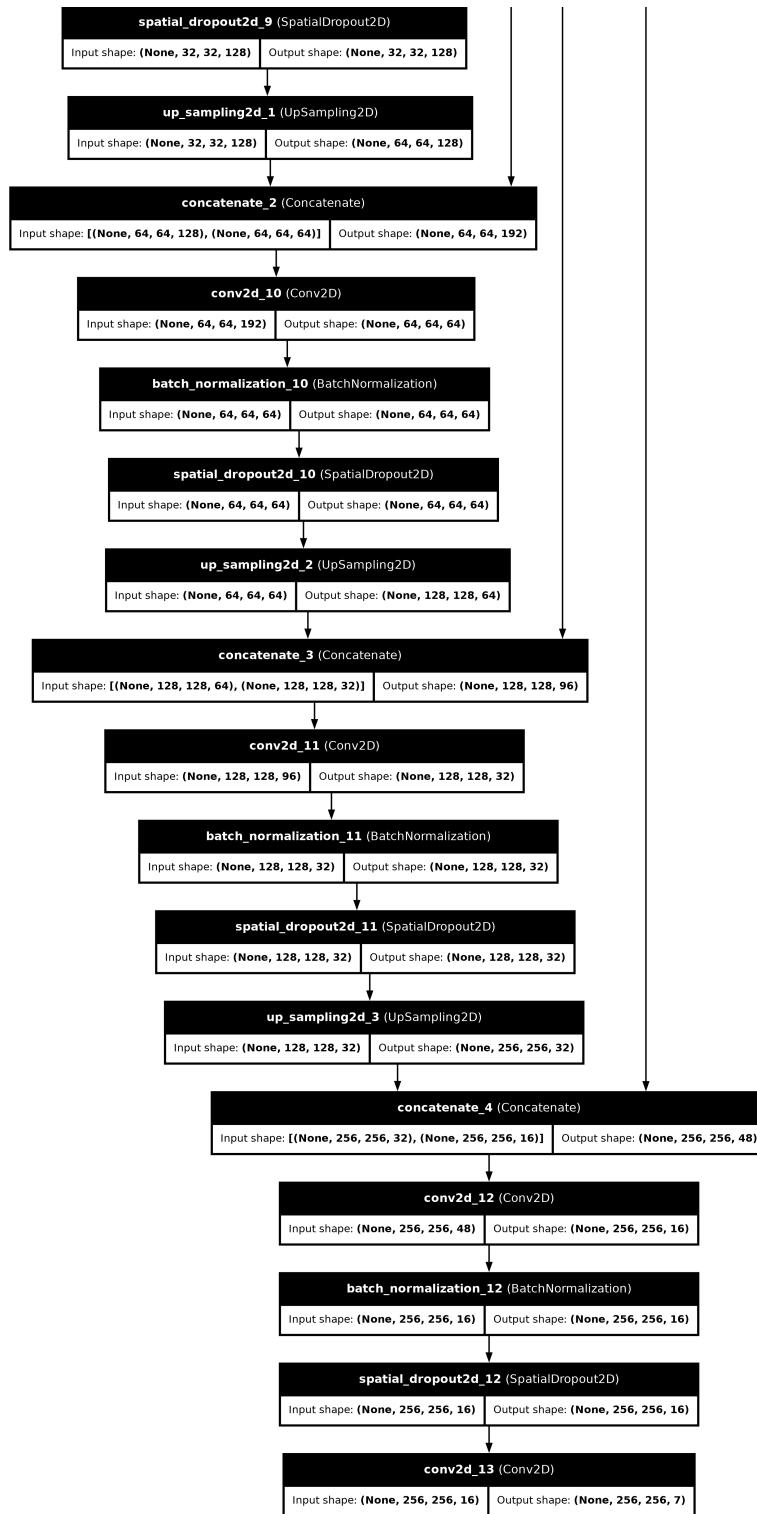
1.2 Figure 1b



1.2 Figure 1b



1.2 Figure 1b



1.3 Figure 2a

1.3 Figure 2a

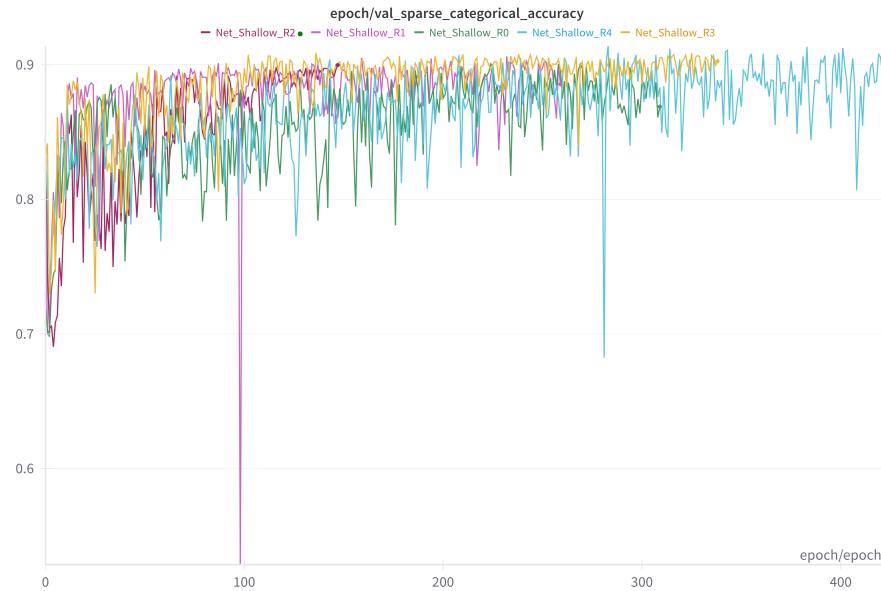


Fig. 2: Validation Accuracy as a function of epoch for the Shallow model

1.4 Figure 2b

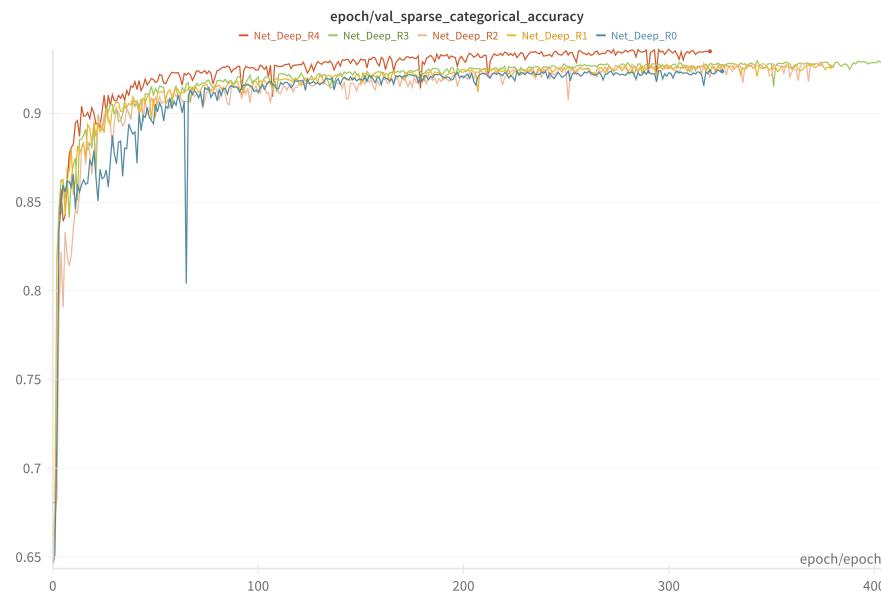


Fig. 3: Validation Loss as a function of epoch for the Deep models

1.5 Figure 3a

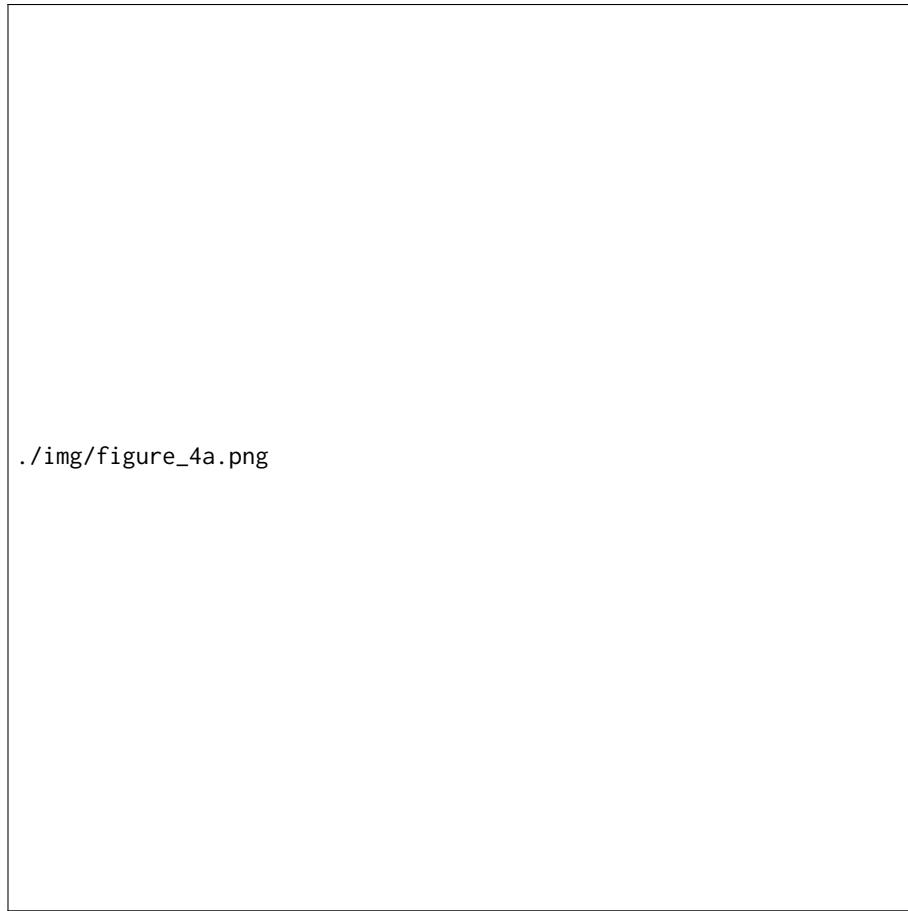


Fig. 4: Confusion Matrix of the test set data across all rotations for the Shallow model

1.6 **Figure 3b**

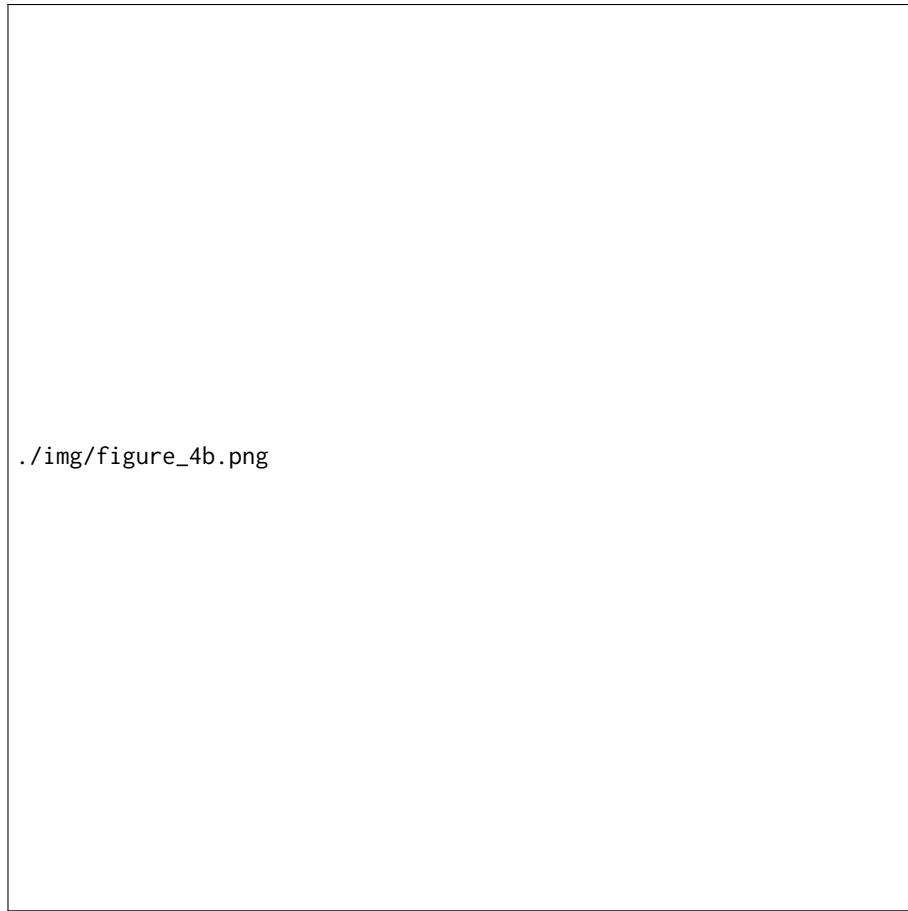


Fig. 5: Confusion Matrix of the test set data across all rotations for the Deep model

1.7 Figure 4

1.7 Figure 4

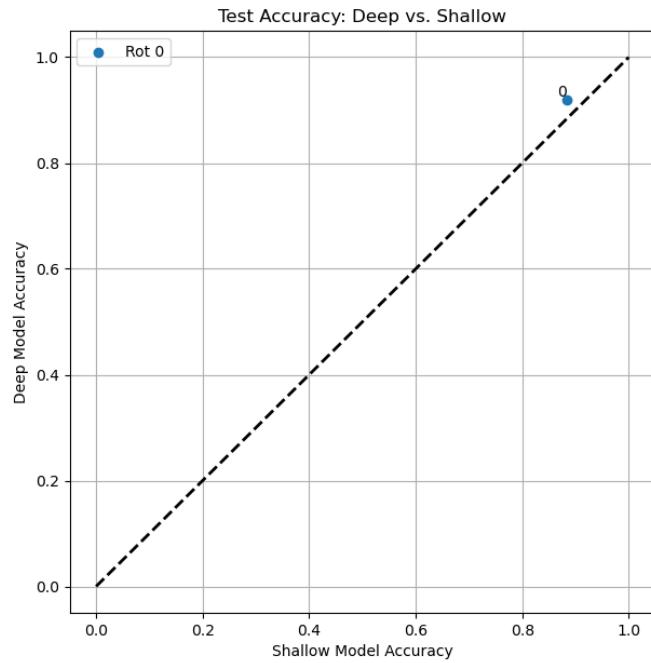


Fig. 6: Test set accuracy for the deep vs shallow networks

1.8 Figure 5

2 Analysis & Discussion