# Experiments Performed

Batch Size Experiment

ConvLSTM Model

4 Conv layers + 1 LSTM (without dropout layer – forgot to add)

Model overfit -> to overcome added dropout layer

Best validation accuracy:

Best validation loss:

4 Conv2D layers + 1 LSTM (without dropout layer for each hidden layer)

Best validation accuracy:

Best validation loss:

3 Conv3D layers

Best validation accuracy:

Best validation loss:

Model with Best Accuracy and loss:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Experiment** | **Model** | **Best Validation Accuracy** | **Best Validation Loss** | **Decision + Explanation** |
| 1 | ConvLSTM |  |  | Model overfitting on training data. |
| 2 | ConvLSTM |  |  | Overfitting issue resolved, better than previous model |
| 3 | Conv3D |  |  |  |
| Final Model |  |  |  |  |