2 - Create the model and validate

Model Hyperparameters and Shape

**Hyperparameters – model.compile**

|  |  |
| --- | --- |
| **Loss Function** | Categorical Cross Entropy |
| **Last Layer Activation Function** | Sigmoid |
| **What optimization(algorithm to adjust weights/LR) configuration (rmsprop?)** | rmsprop |
| **Batch Size** | 15 batches |
| **Metrics** | accuracy |

**Model Shape – model.add**

What are your layers?

|  |  |  |  |
| --- | --- | --- | --- |
|  | Size – IN (e.g. 28,28,1) | Type (dense,Conv2d, MaxPooling2D) | Size - Out (e.g. 32,(3,3)) |
| 1st Layer | (135, 240, 1) | Conv2D | (None, 133, 238, 32) |
| 2nd Layer | (2,2) | MaxPooling2D | (None, 66, 119, 32) |
| 3rd Layer |  | Flatten | (None, 251328) |
|  |  |  |  |
| 4th Layer |  | Dense | (None, 2) |
| 5th Layer |  | Dense | (None, 2) |

Draw your network – Give sizes of each layer (examples are below)

Validation

Paste a screenshot of your training, validation and test accuracy and loss graphs

Training Accuracy/MAE & Loss

Validation Accuracy/MAE & Loss

Validation Accuracy/MAE & Loss