6/19/2020

{Previous Model}

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Description automatically generated

{Proposed Model}

A screenshot of a cell phone

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OOM

6/21/2020

{Proposed Model}

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7/16/2020

model = Sequential()

model.add(Conv1D(3, 8, strides=(1), padding="same", input\_shape=input\_shape[1:]))

model.add(BatchNormalization())

model.add(Dense(8, activation='relu'))

model.add(MaxPooling1D(pool\_size=(2), strides=2))

model.add(Conv1D(3, 16, strides=(1), padding="same", input\_shape=input\_shape[1:]))

model.add(BatchNormalization())

model.add(Dense(16, activation='relu'))

model.add(MaxPooling1D(pool\_size=(2), strides=2))

model.add(Conv1D(3, 32, strides=(1), padding="same", input\_shape=input\_shape[1:]))

model.add(BatchNormalization())

model.add(Dense(32, activation='relu'))

model.add(MaxPooling1D(pool\_size=(2), strides=2))

model.add(Dropout(0.5))

model.add(Flatten())

model.add(Dense(981))

model.compile(optimizer='adam', loss='mean\_squared\_error', metrics=['accuracy', 'mse'])

history = model.fit(X\_train, y\_train, epochs = 50, batch\_size = 16, verbose=1, validation\_data=(X\_test, y\_test))

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