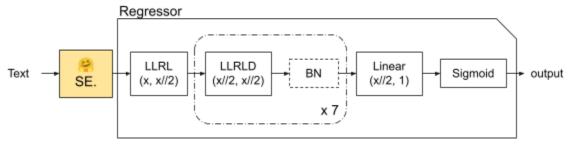
My model

The sentence is encoded by a sentence encoder hosted on a hugging face and I have created my own architecture for the regressor model.



Breakdown

- 2. LLRL is group of Linear + LeakyReLU
- 3. **LLRLD** is for Linear + LeakyReLU + Dropout
 - a. Dropout rate is 20% (0.2)
- 4. **BN** is BatchNorm1d and applies to every 3 layers to prevent gradient vanishing.
- 5. The model's output will be Sigmoid(logit) * 5

Methodology

- 1. Due to lack of training data, I decided to split data into 10 folds and train 10 models separately.
- 2. Each model will train with batch_size=32, lr=0.01, weight_decay=0.01.

 Additionally, The model applied ReduceLROnPlateau learning rate scheduler with patience=10 and factor=0.5. Every model will fine-tune the transformer for their own and optimize Mean Square Error loss function.
- 3. The final answer will be arithmetic mean among the 10 models

Results

