**Comparative Analysis of CNN, RNN and HAN for Text Classification with GloVe Data**

**Team Members:**

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**Group Contribution:**

* Research and finalize the application
* Research and finalize the datasets
* Read the Understanding Neural networks article
* Get familiar with Keras
* Data Preprocessing
* Splitting the data
* Generating training models
* Minimizing validation error
* Training the models using training and validation datasets
* Running the models on Test data
* Bar Graph representation of Time/Epochs (min.)
* Hyperparameter Tuning: Choices, rationale, observed impact on the model performance

**Contributions by Shraddha:**

* Description of the data sets
* Table representation of architecture hyperparameters
* Implementation HAN

**Contributions by Tejas:**

* Description of the specific text classification problem
* Visual graph representation of architectures
* Implementation of CNN

**Contributions by Tushar:**

* Summary table of the data set sizes: train, validation, test
* Line Graph representation of Training and Validation Accuracy and Loss over Epochs
* Implementation of RNN.