PROJECT PROPOSAL

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Project Title: Daffodils.ai

Project Description:

Daffodils.ai is a poetry generator tool which will use Recurrent Neural Networks and Markov chains to generate new poems which will be in the writing pattern of a particular author whose various poems will be fed to the model as an input. Markov chains will be used to build the new sentences and the RNN(Recurrent Neural Network) will be used to predict the various properties (syllables, styles, rhyme scheme etc.) of the subsequent lines of the poems which in turn will ensure that the appropriate new sentences are selected which were generated using the Markovify functions.

The data in the form of various poems of certain authors will be fed as an input to generate various poems, which is readily available at kaggle and various other sites.

Future Prospects and Challenges- The approach stated above will do a better job to produce the rhyming poems, also it will be able to effectively produce the rap songs, but the major challenge will be posed in form of generating meaningful and logical poems and in turn limits of project will be pushed further to generate logical and unique poems as well as stories.