

JOb Description vs Resume



Problem Statement :extract the best CV which matches Job description

Split the cv by education/ experience / working tools/ Designation (Create own stopwords)

String Matching

Supervised model

Semantic word embedding

Dictionary

Create the keywords based on the requirement to extract the CV

tag the related terms with the designation and train the supervised model.

Run the Doc2vec/ word2vec neural network model which can understand the semantic meaning of the sentence

Create the dictionary for acronyms(AWS,GCP : Amazon web service,Google Cloud Platform)

Machine Learning Section

Count vectorizer to get the strings matched

SVM,Naive bayes/run the ensemble model to get better result

Train the doc2vec and get the vectors for each resume and match using cosine similarity

Include this corpus into the data before enter into the ML model.

weightage based model

supervised model

Cosine similarity for semantic vector

Note

Combined result