

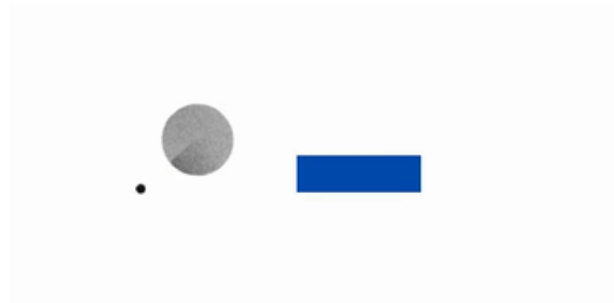


أكاديمية سدايا
SDAIA Academy

Resume recommender System

T5 Data Science Bootcamp
BY

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I. Introduction

Companies often receive thousands of resumes for each job posting and employ dedicated screening officers to screen qualified candidates. Hiring the right talent is a challenge for all businesses. This challenge is magnified by the high volume of applicants if the business is labour intensive, growing, and facing high attrition rates.

II. Goal

Facilitating the process of categorizing and selecting candidates with the required skills, which will save time and effort for large companies.

III. Study Methodology

The dataset consists of 2 features and 962 observations.

Data Description

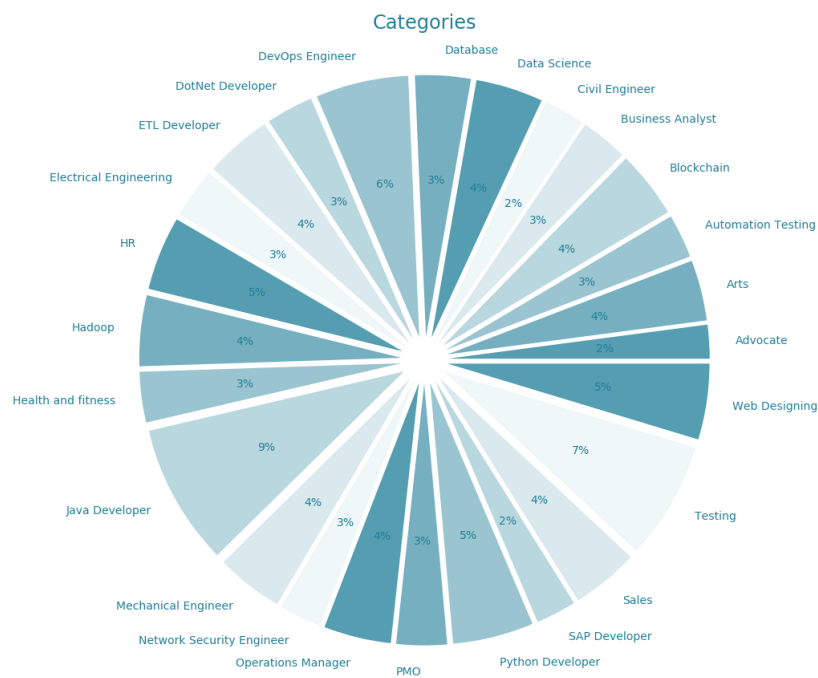
Feature name	Description	Data type
Category	field of resume	object
Resume	resume contents	object

IV. Tools:

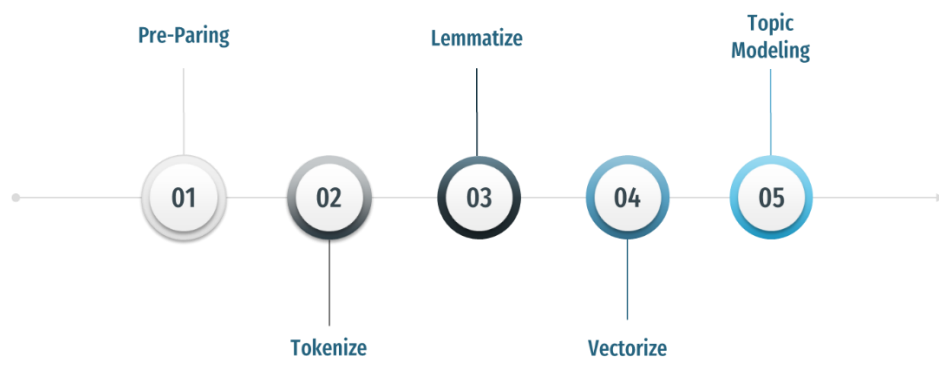
Libraries: Pandas, Numpy, Seaborn, Matplotlib, Sklearn, NLTK, Gensim, RE, pyLDAvis, Flask.

Softwares: VSCode, Jupyter, Postman, Zoom, Trello, GitHub, Word & PowerPoint.

V. Data Overview



VI. ALGORITHM

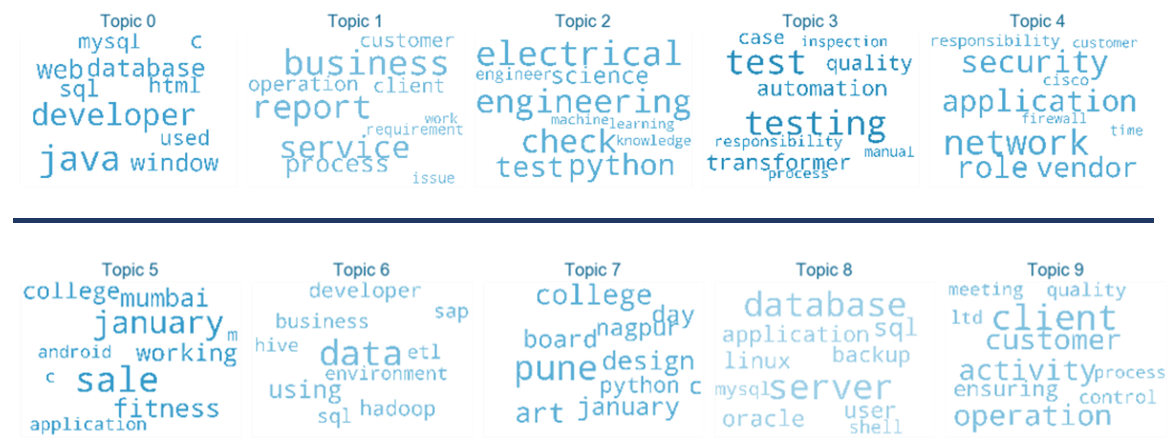


VII. ALGORITHM – LDA / lsa

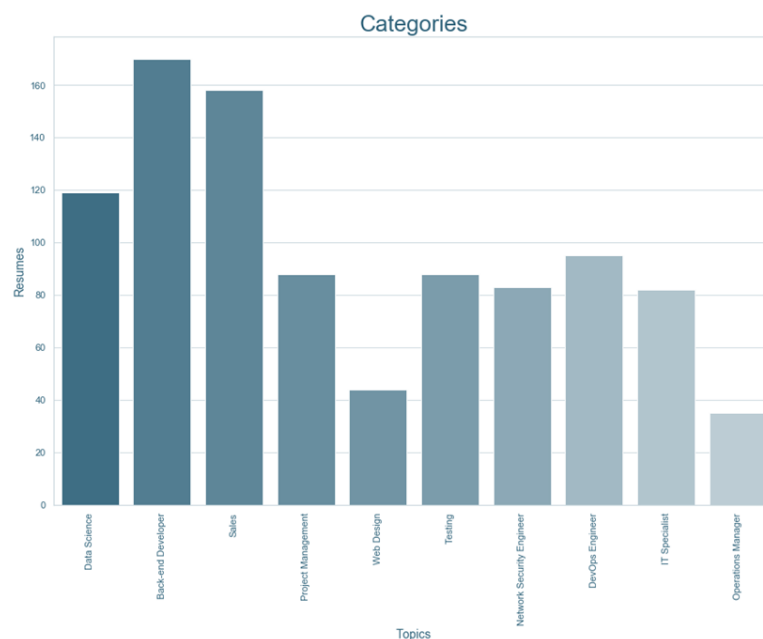
Coherence Scores

Model	Number of Topic			
	25	20	15	10
LSA	0.30	0.32	0.33	0.35
LDA	0.471	0.477	0.482	0.495

VIII. ALGORITHM – RESULT



IX. ALGORITHM – RESULT



X. Deployment

Hamburger Menu

[illegible]

[Home page](#)

MRS

Make
relevant
selections

Resume Recommendation System

Data Science











Submit

The model uses **Content Based Recommendations** to find similar Resumes that belong to the Topic. The dataset is taken from [Kaggle.com](#).

Recommendations Page

Resume Recommendations:

Showing results for: Data Science

Topic	Resume Keywords	Download file
Data Science	data, hadoop, hive, using, blockchain, python, learning, sqoop, like, hdfs	 Download
Data Science	data, hadoop, hive, using, blockchain, python, learning, sqoop, like, hdfs	 Download
Data Science	data, hadoop, hive, using, blockchain, python, learning, sqoop, like, hdfs	 Download
Data Science	data, hadoop, hive, using, blockchain, python, learning, sqoop, like, hdfs	 Download
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XI. Challenges

- Dealing with deployment problems.
- Get the best result from the NLP model.
- Catch the time-line.

XII. Future Work

- ConclusionAdd pdf scan feature.
- Add Resume Evaluation Feature.

XIII. Reference

<https://www.kaggle.com/gauravduttakiit/resume-dataset>