

**Resume recommender System**

T5 Data Science Bootcamp

BY

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Chart

Description automatically generated with low confidence

# 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.

# Goal

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

# Study [Methodolog](https://github.dihe.moe/sanjeevai/nyc_subway_data_analysis#p2)y

# 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 |

# Tools:

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

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

# Data Overview

# 

# A picture containing bicycle, outdoor Description automatically generated

# ALGORITHM

# 

# ALGORITHM – LDA / lsa

# Coherence Scores

# 

# ALGORITHM – RESULT

# 

# 

# ALGORITHM – RESULT

# 

# Deployment

# Hamburger Menu

# A picture containing text, newspaper, screenshot, receipt Description automatically generated

# Home page

# Graphical user interface, text, application Description automatically generated

# Recommendations Page

# Challenges

# Dealing with deployment problems.

# Get the best result from the NLP model.

# Catch the time-line.

# Future Work

# ConclusionAdd pdf scan feature.

# Add Resume Evaluation Feature.

# Reference

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