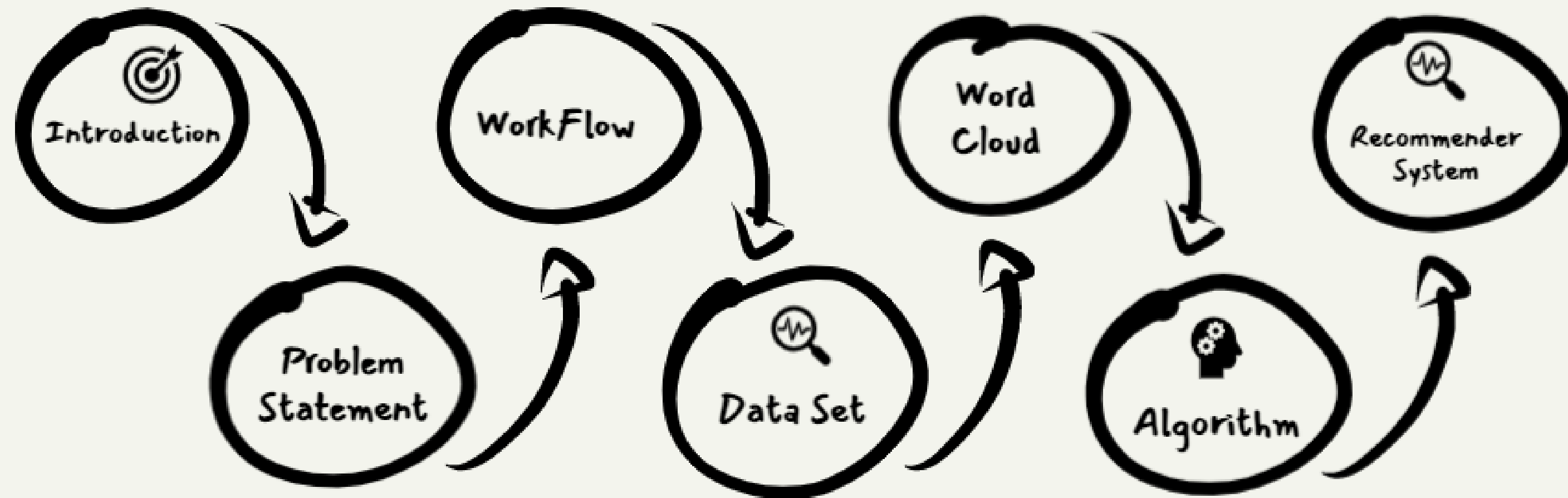
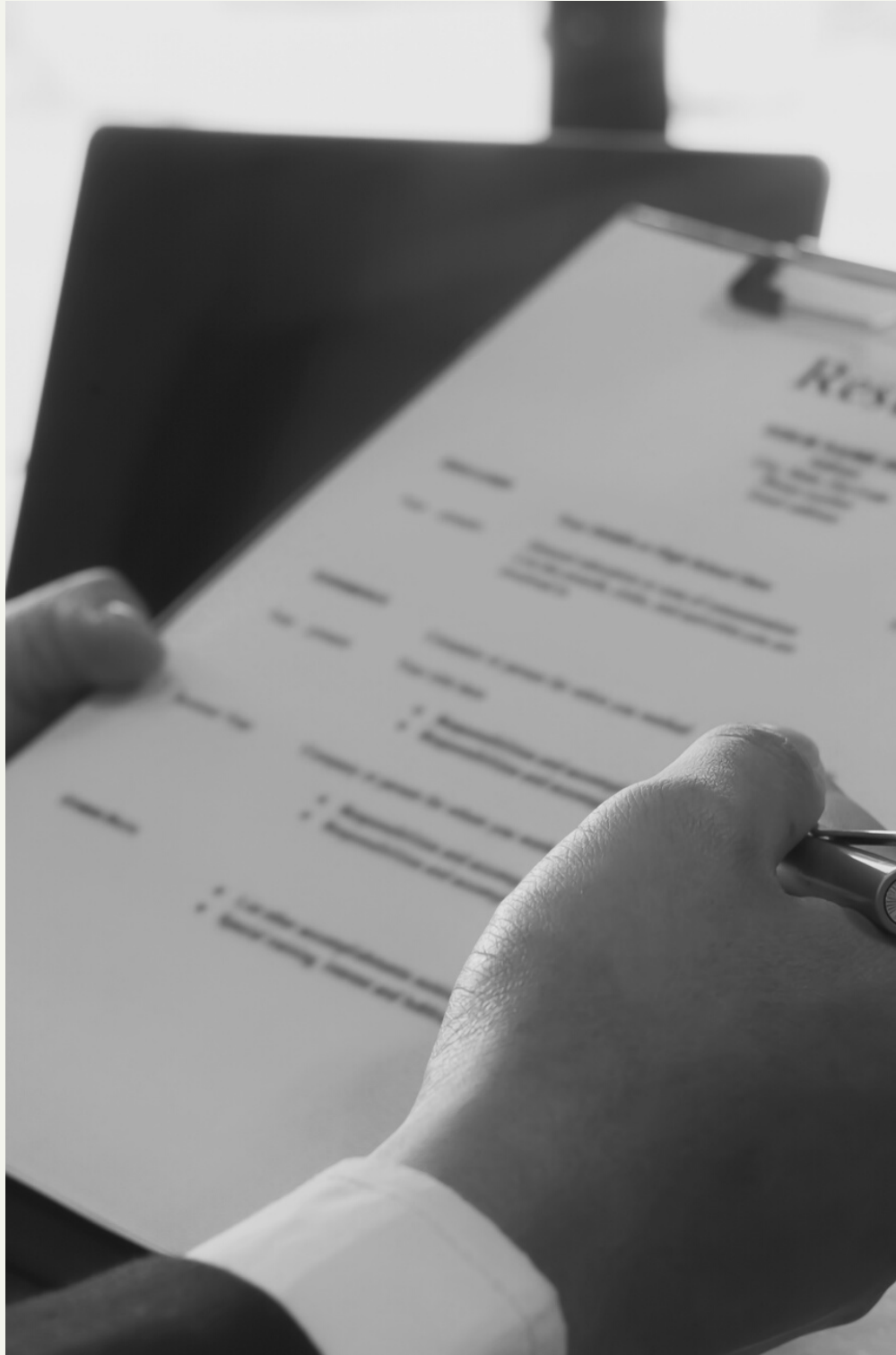

Resume Screening for Taqat using NLP



Outline






Introduction

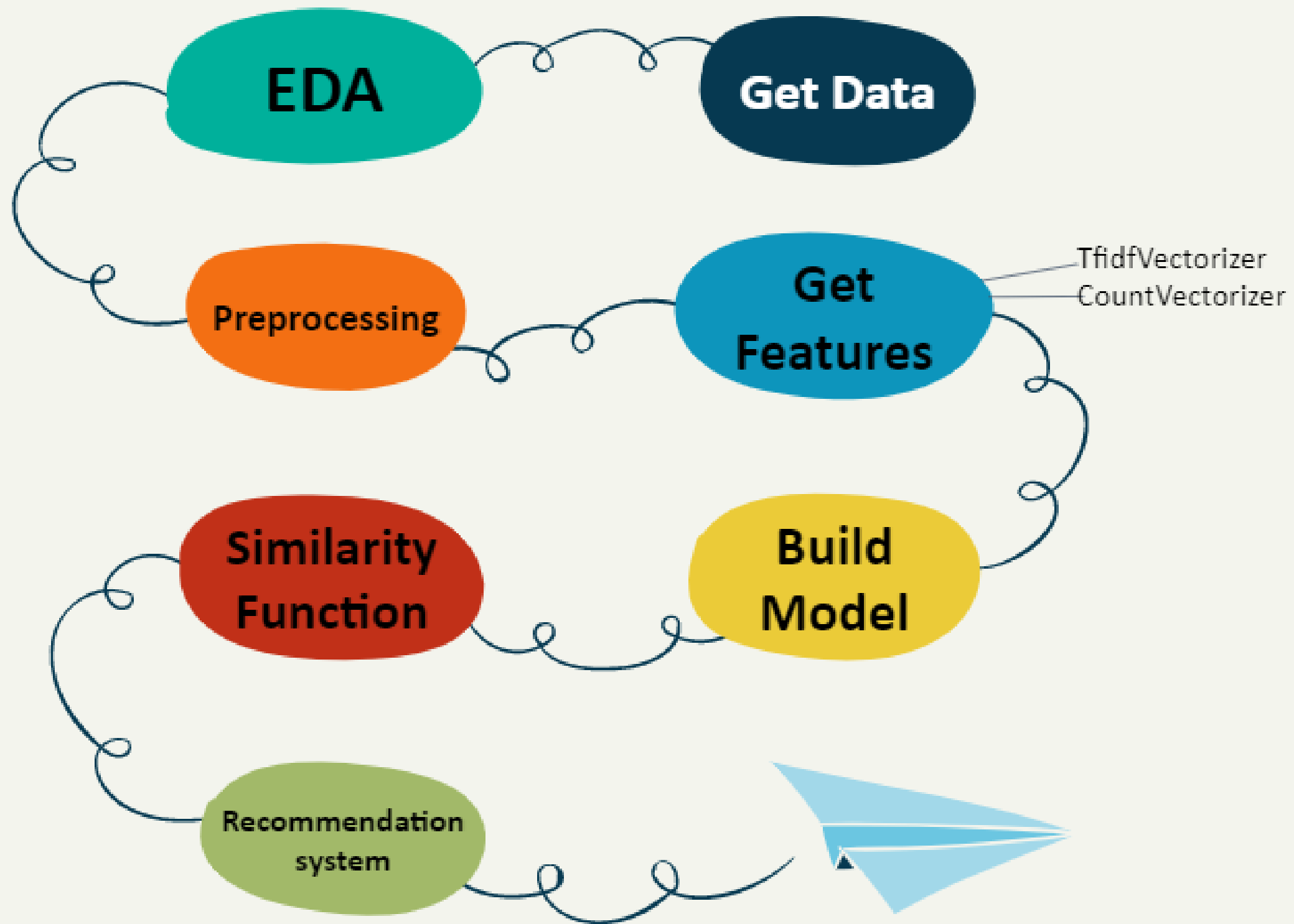
Taqat is a full-fledged platform that provides services for the private and public sectors as well as service providers in the Saudi labor market. Also, it brings together job seekers . The Taqat staff noticed that recruiters spent a lot of time filtering applicants, hence they sought a team of ambitious data scientists to help them scan and filter resumes.



Problem Statement

Large companies do not have enough time to open each resume, so they use machine learning algorithms for the Resume Screening task.





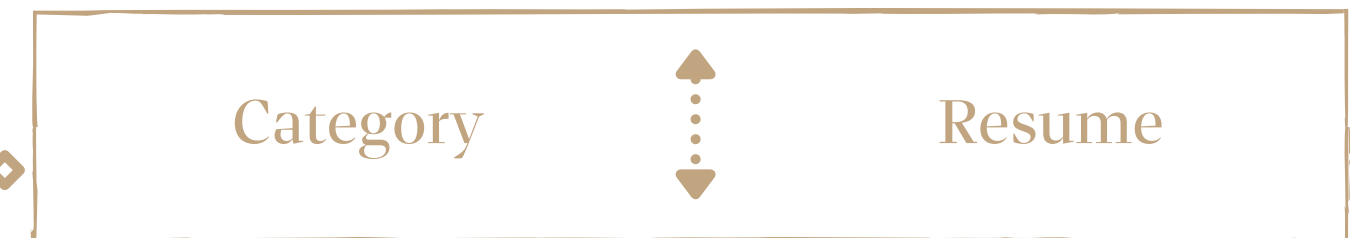
Workflow

Data Set



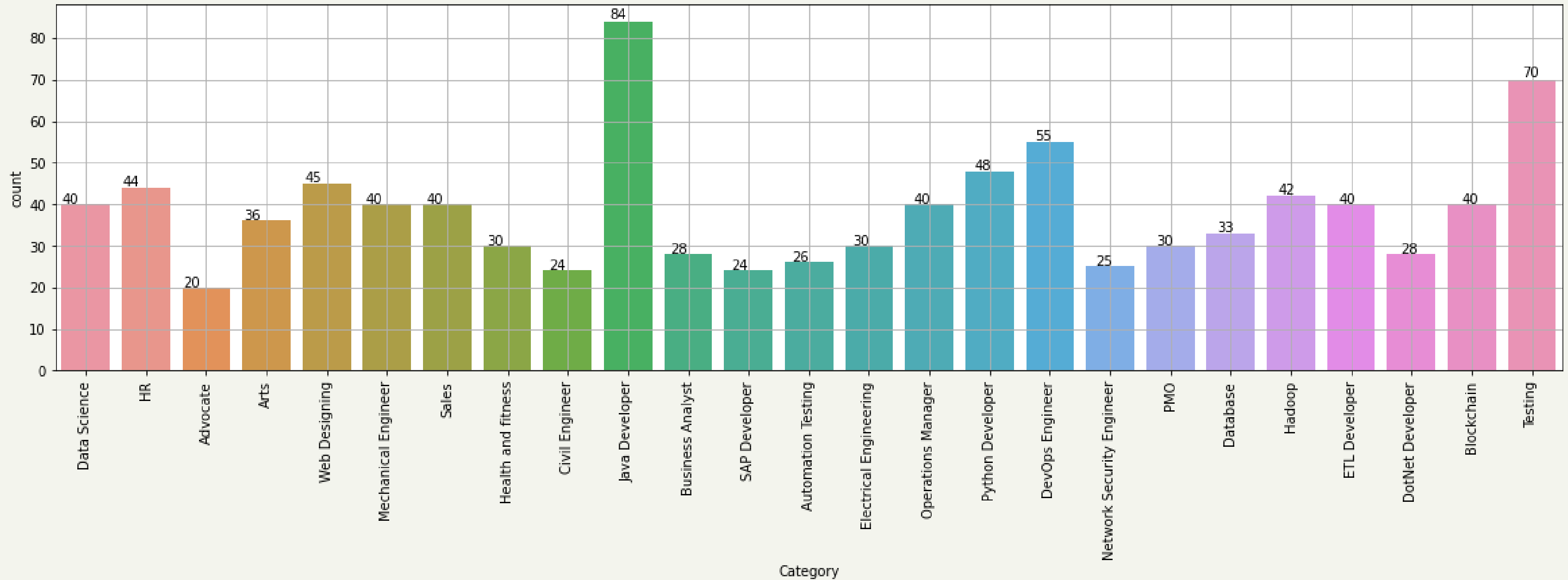
FROM Kaggle

2 Features
1000 Observations



Word Cloud

Department





Algorithm

LSA

	Word 0	Word 1	Word 2	Word 3	Word 4	Word 5	Word 6	Word 7	Word 8	Word 9
Topic 0	details	description	company	skill	exprience	monthscompany	months	project	education	maharashtra
Topic 1	timely	delivery	departments	plans	schedule	basis	ensuring	monthly	procedures	ensure
Topic 2	maharashtra	college	power	state	mumbai	skills	office	ms	iso	skill
Topic 3	test	june	good	automation	site	jobs	drawing	proper	testing	area
Topic 4	scripts	environment	scripting	different	users	script	qa	shell	involved	created
Topic 5	stakeholders	developing	continuous	achieve	risks	analyze	training	responsible	activities	competencies
Topic 6	senior	financial	channels	raised	update	preparing	manage	handling	new	members
Topic 7	developed	based	cases	solution	create	developer	use	involved	data	used
Topic 8	sales	engineering	application	commercial	potential	detailed	existing	structure	requirement	designer
Topic 9	technologies	worked	ocean	payment	clients	bank	software	vendors	applications	limited

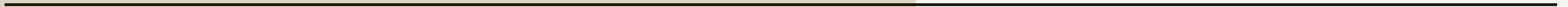
NMF

	Word 0	Word 1	Word 2	Word 3	Word 4	Word 5	Word 6	Word 7	Word 8	Word 9
Topic 0	java	developer	ajax	spring	jsp	jee	javascript	servlet	hibernate	jquery
Topic 1	business	operations	management	team	manager	sales	ensure	training	client	customer
Topic 2	january	details	college	maharashtra	science	pune	mumbai	company	arts	exprience
Topic 3	photoshop	ui	loan	graphics	trust	designed	frame	responsibility	achieved	bond
Topic 4	testing	android	test	manual	automation	selenium	application	project	months	software
Topic 5	hadoop	data	hive	hdfs	etl	sqoop	using	informatica	tables	spark
Topic 6	aes	rfid	parkar	labs	size	gsm	color	python	consulting	student
Topic 7	servers	shell	devops	users	scripts	automation	applications	linux	support	build
Topic 8	hr	details	chennai	education	company	mba	skill	description	june	solution
Topic 9	electrical	engineer	power	engineering	testing	transformer	panel	electronics	july	diploma

Content-based

KNN

Recommender system



Thank you for listening

PREPARED BY

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