

2022 AUGUST 12



ResumEmphasizer

Resumes with Impact: Creating Strong Bullet Points

Julia, Leo, Hailey, JiHee

PEOPLE SPACE

CA

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1 Introduction

1) Problems

Creating a clear and concise resume with phrases and keywords to pass through HR filters is hard. Even when a job applicant has a right experience, without the right keywords and phrases in the resume the applicant can be filtered in the hiring process. Within these problems, we want to create an AI Resume Writer that will match keywords and phrases with the perspective of company job description.

2) Solutions

We use AI trained by developers to find bullet points in your resume. AI extracts the requirements from the job description and corresponds them to the ones on your resume. This refines your resume and eventually achieves our final goal of passing the HR filter.

3) Business Model Canvas


BMI Business Model Canvas				
Key Partner <ul style="list-style-type: none">- The personal department of the company- Resume Author Web user	Key activities <ul style="list-style-type: none">- Highlight key sentences after analysis	Value propositions <ul style="list-style-type: none">- Catch key points- Better resume	Customer relationships <ul style="list-style-type: none">- Get web review	Customer segments <ul style="list-style-type: none">- A job seeker at a company- The personal department of the company
	Key resources <ul style="list-style-type: none">- Brand- SW skills		Channels <ul style="list-style-type: none">- Web page PC & Mobile	
Cost structure <ul style="list-style-type: none">- Server Maintenance costs- Developer Labor costs			Revenue streams <ul style="list-style-type: none">- Advertisement- Applicants fee	

4) Target Audience

ResumEmphasizer targets prospective college graduates or social beginners who are new to or difficult to write resumes. They are not sure what they wrote on their resumes meets the company's requirements.


PERSONA **PENG (PEN)**

PROJECT **HAPPY**

**Peng**

SHORT NAME
PEN

IMAGE



DEMOGRAPHIC INFO

* Age : 67

* Gender : Male

* Location : NewYork

* Race : American

* Education level : Postgraduate education

* Major : G.L.Bajaj Institute of Technology & Management Noida, Uttar Pradesh

* Skills : C,Java,hibernate,Angular Js1-2-4, NodeJs, Html5,Css3, Gulp, Grunt

* Preferred Company : Intel

BIO

He is a strong software developing skill and business skills, programming, coding of server and client side components.
Also, he is good understanding of Software Development Life Cycle (SDLC)

PAIN POINT

To have a growth oriented and challenging career, where he can contribute my knowledge and skills to the organization and enhance his experience through continuous learning and teamwork.

SKILLS HE GOT

1. Programming Languages: JAVA, C; JAVA Technologies: JavaSE, JavaEE, MVC,Hibernate, Restful Webservice; Web Technologies: nodejs,AngularJs1-2-4, javascript, JQuery, HTML5, CSS, Bootstrap; Database Methodologies: MySql 5.5, oracle11g, Postgres 9.3, MongoDB 3.0 ;Development Tools: NetBeans, Eclipse, Svn,VSS; Application Server: Glassfish 4.1,Apache Tomcat 7.0; Platforms: Windows ,Linux (2 years)

2. Certifications/Licenses

1) Microsoft Certified Professional.

2) Microsoft Training Associate Certified in networking fundamental.

Additional Information

SOFT STRENGTHS

3) Quick learning, Committed and able to work under high pressure.

4) A Good Team Player.



5) Like to take independent responsibility.



6) Good Interpersonal skill, good listener and communication skills.

PROJECTS BEFORE

1. Having 2 year month of relevant IT experience in standalone applications and web based applications.

2. Currently working as a Software Developer in APYL software and systems ,Noida(U.P.) since March 2015 to till date.

PROJECT: ANGELA (ANGEL) PROJECT HAPPY	
 <p>Angela</p> 	<p>BIO</p> <p>She is going to graduate KAIST in August. She studied Software Development Methodology.</p> <p>PAIN POINT</p> <p>She wants to work with a progressive organization where she could utilize her knowledge & skills for mutual growth.</p>
<p>DEMOGRAPHIC INFO</p> <ul style="list-style-type: none"> * Age : 35 * Gender : Female * Location : Seoul * Race : Arabic * Education level : Postgraduate education * Major : Software Development * Skills : Web, Database * Preferred Company : SAMSUNG 	<p>SKILLS HE GOT</p> <ul style="list-style-type: none"> * Programming Languages : C++, Core Java, * Web Technologies : HTML5, CSS, BOOTSTRAP, JS, PHP, WORDPRESS, ANGLUJAR, * Android/iOS : IONIC Framework, * Databases : MySQL, MySQLi, SQL <p>PROJECTS TO REMEMBER</p> <ul style="list-style-type: none"> * I'mDev (2 years), each (2 years), Bootstrap (2 years), AngularJS (2 years), Javascript (2 years), JQuery (2 years), Ajax (2 years), Php (2 years), MySQL (2 years), Wordpress (1 year), Ionic (Less than 1 year) * "Dynamic Infotech" - Kolkata, West Bengal August 2016 to Present * She worked as Software Engineer in CareerTech IT Solutions Pune, Mar-2016 to sept-2016.

PERSONAL INFORMATION		CONTACT INFORMATION	
FULL NAME: MARY		PHONE NO: CH0	
<div>  Choi </div>			
IMAGE 		BIO He is a gifted man who can graduate early.	
EDUCATION He is a graduate of the University of California, Berkeley.		FAIR PLAY He is seeking a position to utilize his Software development skills and abilities in the leading information technology industry that offers professional growth while being creative, innovative and flexible.	
DEMOGRAPHIC INFO <ul style="list-style-type: none"> * Age : 15 * Gender : Male * Location : Seoul * Place : Filipino * Education level : High school * Major : None * Skills : Web, Database * Preferred Company : Naver 		SKILLS & TECHNICAL Technical Skills: C, C++, Java, Android Reporting Tool: Android Studio, Eclipse, Netbeans Operating System: Linux, Windows 7/VISTA/XP, Database: SQL, MySQL Web Technologies: HTML, JavaScript	
PROJECTS BEFORE <ol style="list-style-type: none"> 1. TestBots Role: Android Application Developer Technologies: Android, SQLite, JSON, REST Web Service App <ol style="list-style-type: none"> 2. Grade Calc (Play store) Role: Android application Developer Technologies: Android, Java, Google map api, Login with ga and fb <ol style="list-style-type: none"> 3. Di-Schools Lab (Play store) Role: Android application Developer Technologies: Android, Java, Google api, GPS			

PERSON: JAKE LEE (JAKE)
PROJECT: PERSONA

Jake Lee

SHORTHAIRE
JAKE

JAKE LEE

DEMOGRAPHIC INFO

- **Age** : 28
- **Gender** : Male
- **Location** : Seoul
- **Race** : Asian
- **Education level**
: Bachelor's Degree
- **Major** : CSE
- **Skills** : Java, C,
Python
- **Preferred Company**
: MS, Apple

GOAL

His goal is to get a job at an American IT company and settle down well.

RID

He is a college student who just graduated. He graduated from Chung-Ang University with a degree in computer engineering and wants to get a job in the U.S. He hopes to get a job at Microsoft, APPLE, etc. as a back-end developer. He is a job seeker with no work history and he's not used to writing a resume. He's a beginner in society, so he wants help from around him.

He doesn't have a senior to ask for advice on his resume. He wants to be sure that he is doing well on his resume.

PAIN POINTS

He is a job seeker with no work history and is not used to writing his resume.

He has no experience working in the U.S., so he is expected to have difficulty adjusting to life in the U.S. company.

He needs a work visa when he joins an American company, which is likely to have many difficulties.

Now IT companies want a master's degree or higher; but he is now a bachelor's degree.

RELEVANT SKILL

Specialized : Core Java, J2EE, Spring
Web Server : Jboss, Apache Tomcat
User Interface : HTML5, CSS, Jsp, JQuery, Angular JS
Languages : Java, Java Script, SQL, Python, C

PROJECTS BEFORE



He created all with his teammates which develops new food recipes.

He developed a site that informs the waiting time of nearby restaurants in real time.

He has a history of high school coding volunteering in a university volunteer club.

QUOTES

*"The American Dream belongs to all of us."
-Kamala Harris, California Attorney General*

<div> <div></div> <div>PROJECT - BDD TESTS</div> </div> <div>PROJECT - HAPPY</div>	<div>SECRET NAME</div> <div>SOO</div>
 <p>A DAY IN THE LIFE</p> <ul style="list-style-type: none"> * Age : 25 * Gender : Female * Location : Santa Ana * Race : Korean * Education level : MCA * Major : Technology Bhopal * Skills :Byte Code Manipulation, Design Patterns, Multithreading JVM Tuning and performance monitoring * Preferred Company : Nutanix 	 <p>Working currently in sales portfor US based telecom client having end-to-end and of admin application running from sales, order handoff, provisioning, service delivery and billing. The sales mainly includes information gathering from newwielding user about service offered by our telecom client. The web based application used for getting extens and details information about service which includes internet service as well as VoicoverIP services.</p> <p>The AGLIE based application application includes adding extra features which is currently not supported and enhancing the current ones.</p> <p>PAIN POINT She wants to go to NoIion.</p> <p>SKILLS SET GOOT</p> <ul style="list-style-type: none"> * Java EE Web Component API Servlet3, JSP, JSTL * JAVA EE Web Service SOAP * Java EE Resource API JDBC, JMS, * Framework: Spring 4, AspectJ, Spring Boot, Spring Data, ORM Framework : Hibernate 4.0 * Web Development : JQuery, HTML5, JavaScript, CSS * Unit Testing :JUnit3 * Application Server: Tomcat 7.0 * IDE: Eclipse 4.x * Database: Oracle 10g PL/SQL, SQL * Other Tool/Frameworks: Apache CXF, Active MQ, JAXB 2.0 * Utiliti,max Basic shell scripting * Performance testing: Jmeter, MAT, HeapDump analyis, ThreadDump analysis
	<p>PROJECTS TO BEFORE</p> <ol style="list-style-type: none"> MicroService development: Currently working under team to develop simple REST based Micro service for current project using Docker technology. The aim is to build simple Micro Service using Spring Boot which will be hosted on docker container. Logic Based Analytics Developed simple GUI-based analytics application for own application which probably will be used in End-to-End. The front end was developed using Bootstrap , JQuery and React JS. On server side Python + Java sets up. The aim behind developing application was need from client for central ports where client can get current status of his order and he will get to know where order is being stuck. The results are generated from fetching logs directly from client and persist them according to user's input. Additional to that REST based simple web service was also implemented for interacting with partner systems. Decision Making Implementation for orders: For service orders to be route through automated system and not by legacy system, requirement came for development of decision based admin portal where admin can go and configure gates (decides flow) With this implementation client order will be routed to automated flow throughout Sales, order handoff, Provisioning, Service delivery and Billing. Abstract Factory based design pattern was used to implement this project.

2 Overall description <https://github.com/hyun-hyang/ResumEmphasizer>

1) Key Technology

- Design websites with *wordpress*.
- Annotate datas with *doccano*.
- Train AI model with *spaCy*.

2) Key Features

- Find bullet points
- Scoring your resumes
- Passing HR Filters

3) Pricing <http://44.227.122.114/pricing/>

We have a two-track pricing plans : Plan 1 & Plan 2

Plan 1: The number of times

just one time	5 times	10 times	30 times	50 times
(\$1)	(\$4.99)	(\$8.99)	(\$25.99)	(\$42.99)

(\$ per trial : 1 / 0.998 / 0.899 / 0.866 / 0.859)

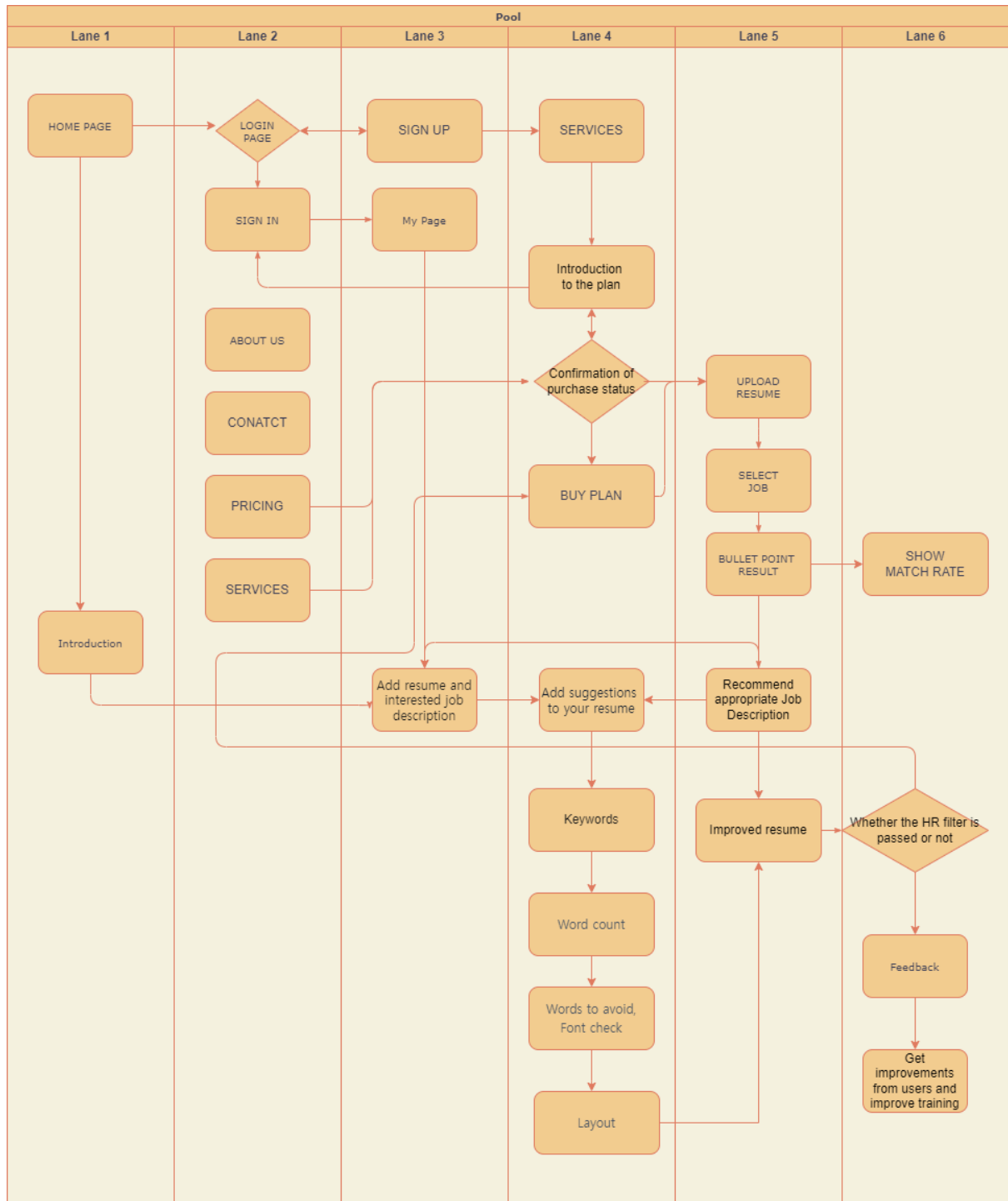
Plan 2: a fixed-term charge

1 week	2 weeks	1 month	1 year
(\$19.99)	(\$37.99)	(\$69.99)	(\$169.99)

(\$ per day : 2.85 / 2.71 / 2.3 / 0.46)

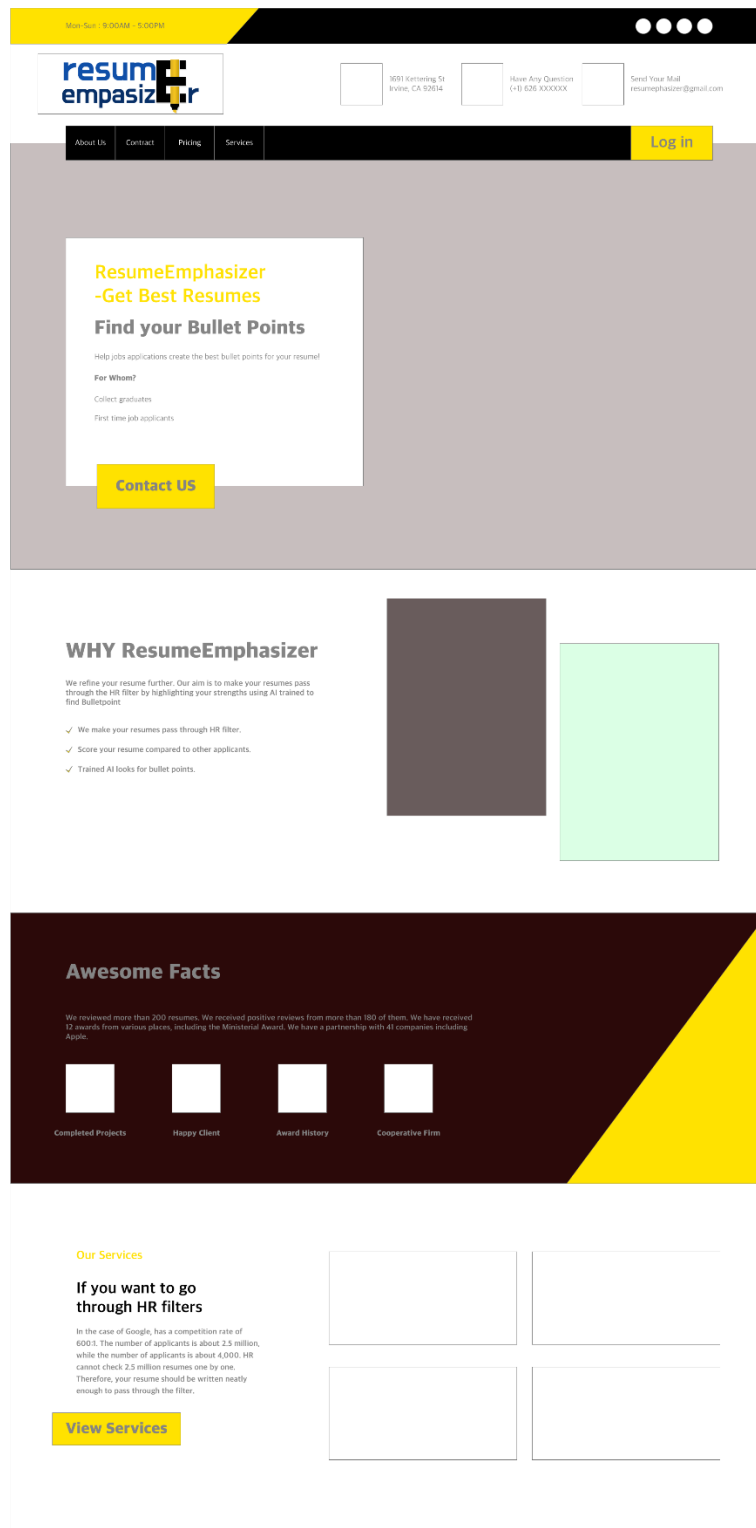
Free Trials : You can get 3-free-trials when you create an account.
You can also get 1-free-trial each for both you and your friend
when you invite friend.

4) Flow Chart



3 Specific description

1) Wireframe



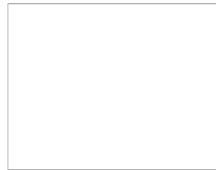
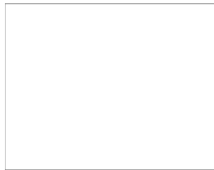
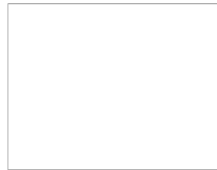
Are You Ready To Build New Project With Us?

We are a team with enough experience. We produce good results at a reasonable price.
Many reviews prove it. I hope you can get good results like them.

Pricing

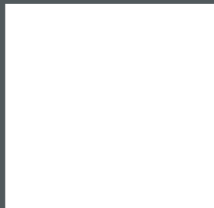
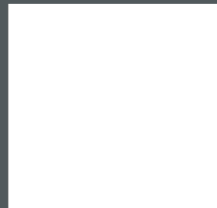
Featured Works

Three representative tasks offered by our company



Testimonials

The role of each team member and the reason for their recommendation.

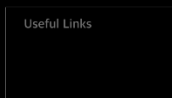
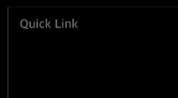
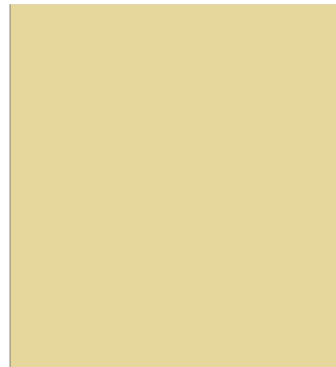


FAQ

How does your AI works?

Can I try one for free before paying?

Do I have to write resume?



Your Email Address

Send

Copyright C 2022 All Right Reserved

<Landing page>

1

2

3

Filled out Resume

Select the job

View Results

College

Major

Degree

Education

exception of college, major, degree

Ex) short-term training/ internship/ etc.

Available

Software Skills/ Program Languages

Ex) Docker, wordpress / Java, C

Ability

subjective things except skills

Ex) hardworking, confidence/ etc.

Work Experience

your work history, the company& the length of time you worked for

◀

Prev

Next

▶

1

2

3

Filled out Resume

Select the job

View Results

Job

Searching

◀

Prev

Next

▶



Filled out Resume



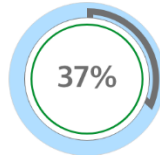
Select the job



View Results

Resume scan results

Amazon



Education

4 issues to fix



Available

28 issues to fix



Ability

Great!



Work Experience


4 issues to fix



☐ **Bullet Point Recommendation**

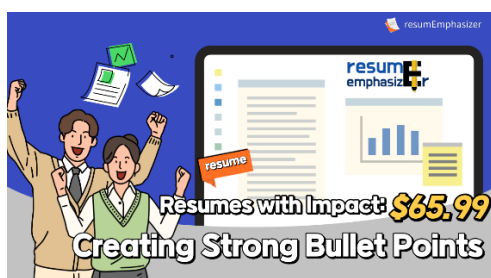
◀ **Prev** **Next** ▶

Skills Comparison		Highlighted Skills	
Skill	Variations ?	Resume	Job Description
customer experience		×	3
android		4	3
product management		2	2
iphone		×	2
usability		2	1
blackberry		1	1
Translating		×	1
kindle fire		×	1
mobile shopping		×	1
smartphones	⋮	1	1

Skills Comparison		Highlighted Skills	
Skill	Variations ?	Resume	Job Description
passion  Report		×	2
innovation		×	2
attention to detail		×	1
strategic thinking		×	1
vision		×	1
inspire		×	1
Judgment		×	1
competitive	⋮	2	1
professional		×	1
communication		×	1

2) Web Site <http://44.227.122.114/>

3) Promotion Video <https://www.youtube.com/watch?v=syONP3HIYIE>



4) Annotation Standard

We gave different labels to resume and job description for annotate. First, we used the labels of work experience, skill, college, major, education, useful, award, age, and degree for resume. Work experience covers the companies, projects, and so on. Skill means specific abilities such as Java Python, while ability means subjective abilities such as challenging and good communication. Secondly, we used company, project, job, required skills, preferred skills, department, benefit, required year for job description. Benefit here means company welfare. By separating required skills and preferred skills, we tried to obtain the accurate image of qualified employee of company.

5) Training Result

- resume

```
===== Training pipeline =====
i Pipeline: ['transformer', 'ner']
i Initial learn rate: 0.0
```

E	#	LOSS TRANS...	LOSS NER	ENTS_F	ENTS_P	ENTS_R	SCORE
0	0	85110.86	1286.53	0.00	0.00	0.00	0.00
8	200	2378094.16	114906.59	38.95	41.08	37.03	0.39
16	400	146751.16	61404.81	41.40	38.94	44.19	0.41
24	600	74212.85	50472.96	48.99	40.53	61.93	0.49
32	800	33362.32	44836.03	47.47	38.73	61.31	0.47
40	1000	11214.02	39619.26	49.89	44.51	56.74	0.50
48	1200	23498.21	37892.31	49.53	42.14	60.06	0.50
56	1400	23167.25	37013.91	49.48	42.38	59.44	0.49
64	1600	2990.90	36327.45	48.20	40.73	59.02	0.48
72	1800	1820.65	35828.59	50.63	44.87	58.09	0.51
80	2000	2164.80	35628.70	49.58	44.74	55.60	0.50

```

resume num 6 test
Java Developer Sourcepep Pvt Ltd ->>>>> work experience
J2EE ->>>>> skill
Spring MVC ->>>>> skill
Core Java ->>>>> skill
Rest Web services ->>>>> skill
Ajax ->>>>> skill
Elasticsearch ->>>>> skill
Pune University ->>>>> college
• Programming Language ->>>>> work experience
C ->>>>> skill
JAVA ->>>>> skill
Advance Java ->>>>> skill
Spring MVC ->>>>> skill
Rest Web services ->>>>> skill
Java integration with MongoDB ->>>>> skill
Ajax ->>>>> skill
Elasticsearch ->>>>> skill
• Database: ->>>>> work experience
Oracle 10g ->>>>> skill
MySQL ->>>>> skill
MongoDB ->>>>> skill
• Operating System ->>>>> work experience
Windows 7, 8, XP ->>>>> skill
Fedora ->>>>> skill

```

<resume.ipynb>

- job description

```

===== Training pipeline =====
i Pipeline: ['transformer', 'ner']
i Initial learn rate: 0.0

```

E	#	LOSS TRANS...	LOSS NER	ENTS_F	ENTS_P	ENTS_R	SCORE
0	0	1148.20	1672.16	2.80	1.49	24.73	0.03
6	200	289004.99	83154.96	2.07	5.24	1.29	0.02
12	400	164097.20	44477.16	8.74	26.24	5.24	0.09
18	600	199007.00	42765.33	22.04	19.18	25.91	0.22
25	800	55244.16	36112.11	30.57	30.37	30.76	0.31
31	1000	42192.46	30847.47	27.87	23.95	33.33	0.28
37	1200	36670.09	29590.51	26.60	28.40	25.02	0.27
43	1400	12739.44	22502.40	27.56	40.94	20.77	0.28
50	1600	10430.67	21499.32	26.12	33.86	21.27	0.26
56	1800	16501.21	20615.57	26.81	30.62	23.84	0.27
62	2000	6425.92	16978.58	26.38	31.02	22.95	0.26

```

jd num 10 test
Backend Developer ->>>>> job
Angular ->>>>> required skills
CSS ->>>>> required skills
Bootstrap ->>>>> required skills
Material ->>>>> required skills
Experience in the development of hybrid apps ->>>>> required skills
python ->>>>> required skills
Programming ->>>>> preferred skills
HTML ->>>>> required skills
python ->>>>> required skills
Master's ->>>>> required skills

```

<jd.ipynb>

4 Complementary Point

1) Website

We are not yet at the completion stage in implementing the web page. For example, if you upload your resume on a web page, AI should review it, but spaCy and the site have not yet been linked. In addition, according to the Business model canvas, advertising was expected to be the main source of income, but the advertising function was not implemented.

2) spaCy

We trained about 150 resume and 150 job descriptions we annotated on spaCy, which are insufficient in quantity and inaccurate in annotate, resulting in occasional inappropriate learning results. In addition, there is a regret that more accurate results would come out if the label was further subdivided.

We had to match resume and job description with a spaCy-trained model, but we are still in the unfinished stage. Furthermore, we should have implemented unique features that other companies do not have, such as measuring the score of resumes, but we are still in the unfinished stage.