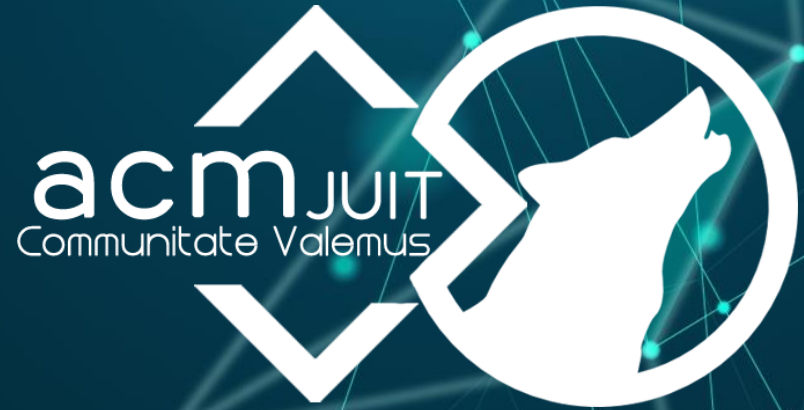


OPEN SOURCE ODYSSEY



TEAM HAK-P

RESUME PARSER



WHY DO WE NEED A PARSER ?

During the recruitment process, the HR department has to process thousands of CVs and resumes per day.

This task can get:










- ☐ very tedious
- ☐ inefficient

That is screen all the resumes for the relevant skills and experience and filter them out from the rest.



OUR FIRST ATTEMPT TO MAKE A PARSER

We decided to use Regex as it is very useful in parsing information like

-   Names
-   Phone numbers
-   Github
-   LinkedIn
-   Email IDs

HOWEVER REGEX DIDN'T WORK

Regex isn't very useful in parsing crucial information like:

- Skills
- Companies worked at
- Designation

And other meaningful text from a resume

**What is the
Solution
then?**



NATURAL LANGUAGE PROCESSING

- NLP is concerned with providing computers the capacity to comprehend written and spoken words in a manner similar to that of humans.
- It combines computational linguistics with statistical, machine learning, and deep learning models.

OUR NEW APPROACH TO MAKE A RESUME PARSER




```

YEAR -----> 2020
SKILLS -----> Reduced the production cost
YEAR -----> 20
YEAR -----> %
YEAR -----> 2015
YEAR -----> -
YEAR -----> 2020
SKILLS -----> Managed five projects
YEAR -----> .
YEAR -----> Ingoude
EDUCATION -----> | Junior/Investment Analyst
SKILLS -----> Timmerman
SKILLS -----> Industries |
JOB PROFILE -----> Financial Analyst
SKILLS -----> Intern
YEAR -----> 2020
YEAR -----> -
YEAR -----> Present
YEAR -----> 2015
YEAR -----> -
YEAR -----> 2020
YEAR -----> 2012
YEAR -----> -
YEAR -----> 2015
SKILLS -----> Analyze current and past
SKILLS -----> Look at recent financial performance and identify
SKILLS -----> Prepare reports on the above information and communicate
SKILLS -----> with the management team
SKILLS -----> commercial plans
SKILLS -----> Suggest budgets and improvements based on the above
information
SKILLS -----> Key responsibilities
SKILLS -----> Looked at financial performance and identified
SKILLS -----> Explored various investment opportunities
SKILLS -----> Key responsibilities
SKILLS -----> Key responsibilities:
SKILLS -----> Analyzed financial data

SKILLS -----> Observed financial performance and identified
SKILLS -----> Prepared reports on the above information and reported

```

HERE IS
WHAT OUR
FIRST
OUTPUT
LOOKED LIKE

WHY DID WE LEARN?

- ☐ Data Preprocessing
- ☐ PYTHON
- ☐ SpaCy
- ☐ What it is like to make a real time project
- ☐ What it is like to work in a team

SPECIAL VOTE OF THANKS

Atlast, we would like to foremost thank our mentor, Vipransh sir who stuck with us throughout the duration of this project and made it possible for us to tackle a project like Resume Parser using NLP

We would also like to thank ACM for providing us with a environment which enabled such a learning experience

**THANK YOU FOR
LISTENING TO US**