

```
import urllib.request
import requests
from bs4 import BeautifulSoup
import re
import ast

url1 = "https://www.naukri.com/top-skill-jobs"
# We scrapped the data from naukri
```

```
import os
os.chdir("C:\\Users\\tamil\\OneDrive\\Documents\\Python Directory")
folder = "jp project/"
import seaborn as sns
import re
```

```
#Loading the scrapped data from the machine
f = open(folder+"naukri.txt")
f=f.read()

f splitted=f.split("Job Description")
```

```
import matplotlib.pyplot as plt
from wordcloud import WordCloud
wordcloud = WordCloud(width = 1000, height = 500).generate(" ".join(fSplitted))
wordcloud
plt.figure(figsize=(15,8))
plt.imshow(wordcloud)
plt.axis("off")
#plt.savefig("your_file_name"+"png", bbox_inches='tight')
plt.show()
plt.close()
```



it's not clear enough. Let's try to get more precise information from the data.

Cleaning corpus

In [314]:

```
word_feature = []
for feature in fSplitted:
    feature = feature.replace("\\\\", " ");
    feature = feature.replace(".", " ");
    feature = feature.replace("\\\\", " ");
    feature = feature.replace("\\\\", " ");
    feature = feature.replace("\\\\';\\\'", " ");
    feature = feature.replace("\\n", " ");
    feature = feature.replace("+", "");
    feature = feature.replace("&", "");
    feature = feature.replace("jobs", "");
    feature = feature.replace("-", "");
    feature = feature.replace("in", "");
    feature = feature.replace("or", "");
    feature = feature.replace("of", "");
    feature = feature.replace("is", "");
    feature = feature.replace("to", "");
    feature = feature.replace("and", "");
    feature = feature.replace("with", "");
#     ["understg", "Cidate", "wkg", "Ltd"]
    feature = feature.replace("understg", "");
    feature = feature.replace("experience", "");
    feature = feature.replace("Experience", "");

    feature = feature.replace("Jobs", "");
    feature = feature.replace("YrsNot", "");
    feature = feature.replace("DAYS", "");

    feature = feature.replace("Good", "");
    feature = feature.replace("o", "");

    feature = feature.replace("Cidate", "");
    feature = feature.replace("wkg", "");
    feature = feature.replace("Ltd", "");
    feature = feature.replace("'", "");

    feature = feature.replace('Job', "");
    feature = feature.replace('Description', "");
    feature = feature.replace('years', "");
    feature = feature.replace('knowledge', "");
    feature = feature.replace('Knowledge', "");
    feature = feature.replace('Shuld', "");
    feature = feature.replace('frm', "");
    feature = feature.replace('Skills', "");
    feature = feature.replace('added', "");
    feature = feature.replace('advantage', "");
    feature = feature.replace('client', "");
    feature = feature.replace('slutin', "");
    feature = feature.replace('Bachel', "");
    feature = feature.replace('Degree', "");
    feature = feature.replace('project', "");
    feature = feature.replace('etc', "");

    feature = feature.replace("'", "");

# ["knowledge", "Knowledge", "Shuld", "frm", "Skills"]
# ["added", "advantage", "client", "slutin", "Bachel", "Degree", "project", "etc"]

#     for i in listq:
#         feature = feature.replace(i, "")

    word_feature.append(feature)
# word_feature
```

In [315]:

```
from nltk.corpus import stopwords
```

```

from nltk.tokenize import word_tokenize

#Joining all words
all_words = ""
for words in word_feature:
    all_words += words + " "

#Removing symbols inside corpus
all_words = re.sub('[^A-Za-z0-9]+', ' ', all_words)

#Removing numbers
all_words_2 = ""
for i in all_words:
    if i.isdigit() is False:
        all_words_2 += i

#Removing stopwords
stop_words = set(stopwords.words('english'))
word_tokens = word_tokenize(all_words_2)

filtered_sentence = [w for w in word_tokens if not w in stop_words]

filtered_sentence = []
for w in word_tokens:
    if w not in stop_words:
        filtered_sentence.append(w)

print(len(word_tokens))
print(len(filtered_sentence))

```

303272
274597

In [316]:

```

#Removing two letter words
filtered_sentence_2 = []

for word in filtered_sentence:
    if len(word) > 2:
        filtered_sentence_2.append(word)
# print(filtered_sentence_2)

```

In [317]:

```

#User-defined function to COUNT the words
def get_word_freq(list_data):
    freq = {}
    for word in list_data:
        if word not in freq:
            freq[word] = 1
        else:
            freq[word] += 1
    return freq

word_counts = get_word_freq(filtered_sentence_2)

```

In [318]:

```

#Sorting the dictionary
sorted_dict = {k: v for k, v in sorted(word_counts.items(), key=lambda item: item[1], reverse=True)}
# print(sorted_dict)

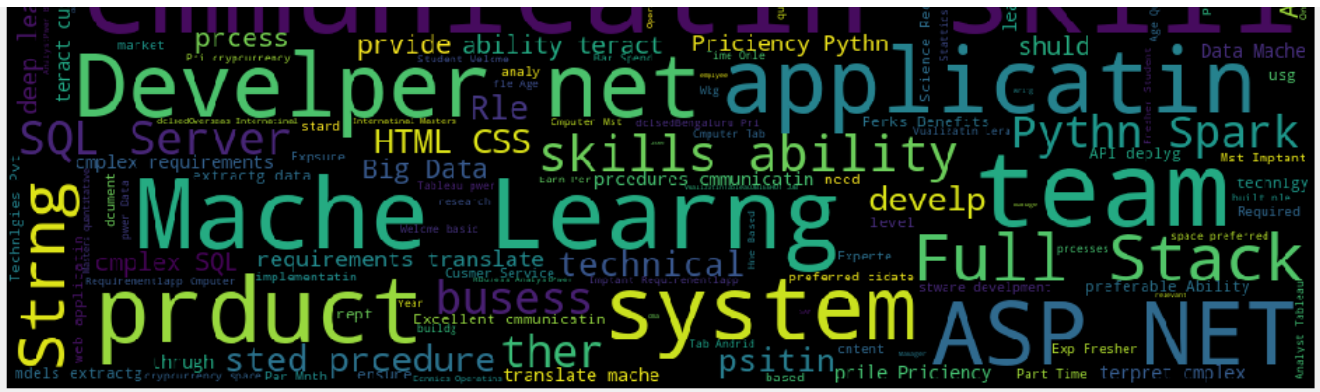
```

In [319]:

```

import itertools
#Slicing top most 15 keywords from the dictionary
keyword_dict = dict(itertools.islice(sorted_dict.items(), 15))
# print(keyword_dict)

```

"o" missed in every words!! (Tokenization error)

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FINAL PLOTS

