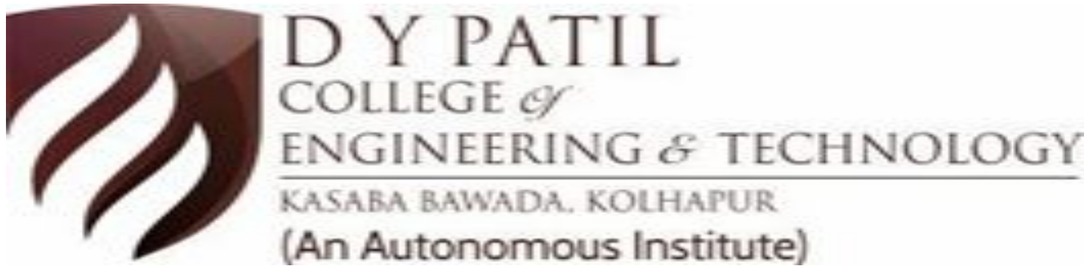

D.Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KASABA BAWADA, KOLHAPUR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(2020-2021)

A

Domain Specific Mini Project Presentation on

"Predicting The Trends Of Quality Oriented Jobs"

by:

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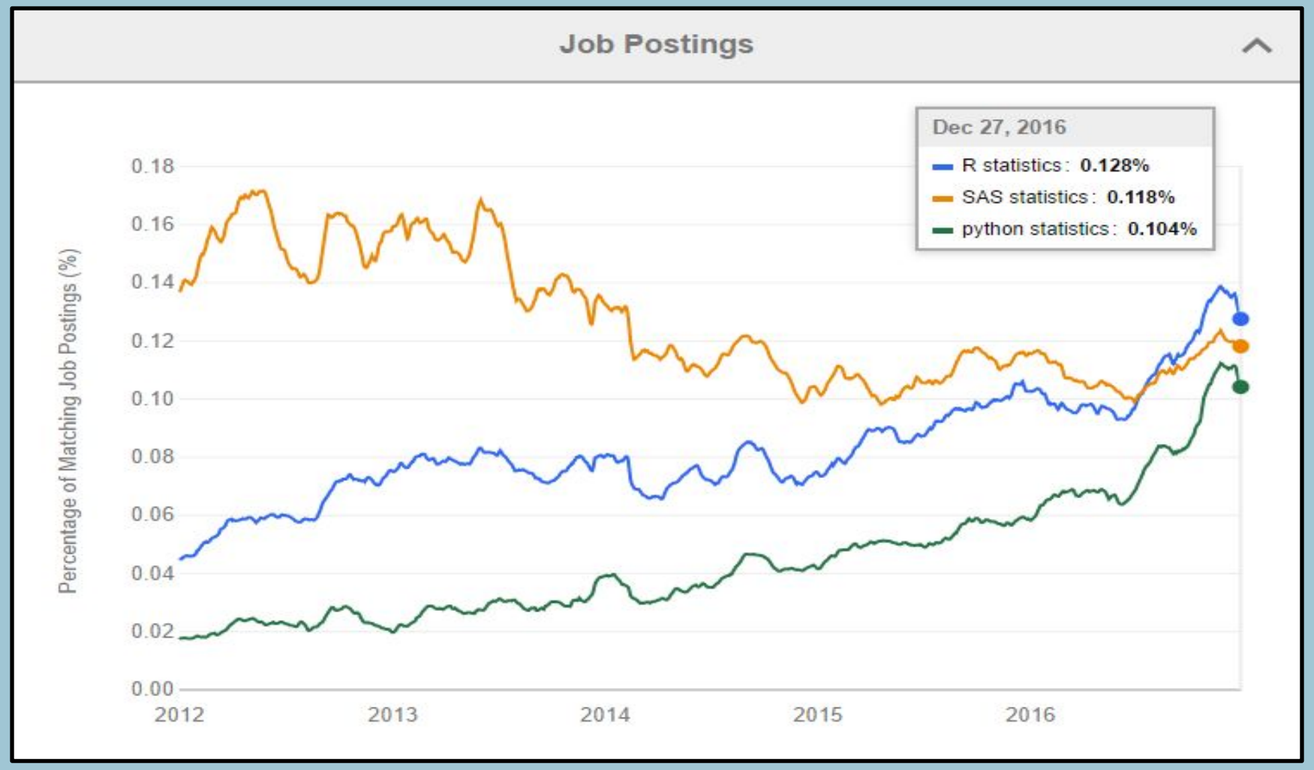
Under the guidance of

Prof. K. A. Bhosale

Class : TY **Division : A** **Batch : T4**

Predicting the trends in quality oriented jobs



INTRODUCTION

- Job seeking.
- Lack of planning.
- Need for a proper medium.
- Machine Learning and Deep Learning.
- Job prediction is a classification task using several ML techniques.

PROBLEM STATEMENT

- To design and develop the system which predicts quality jobs using machine learning.

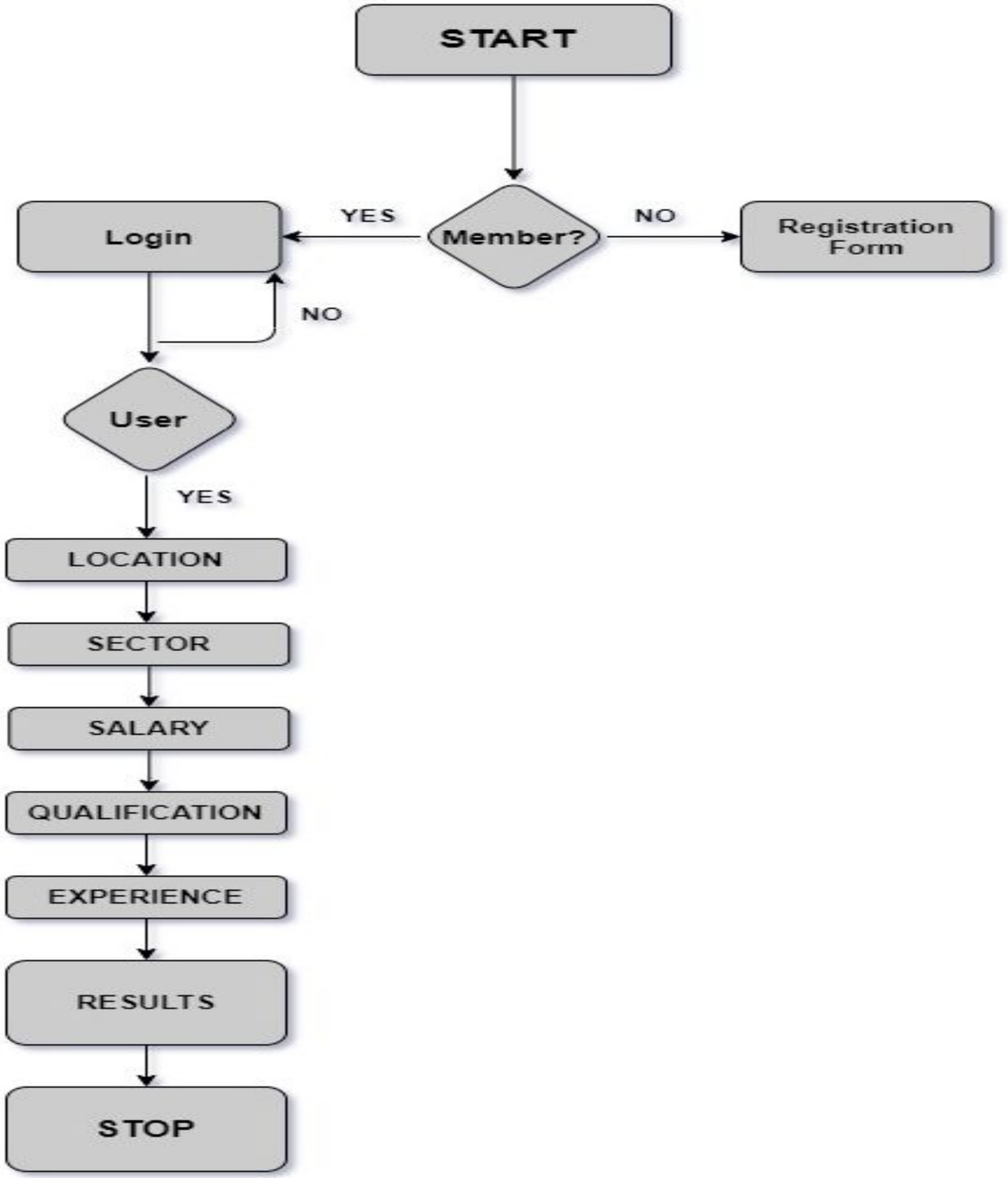
This project analyzes previous data of job seekers through professional platforms and predicts jobs for a particular candidate.

NEED OF WORK

- Develop Skill set.
- Better chances of making decisions.
- Career in fields that are predicted to be in demand.

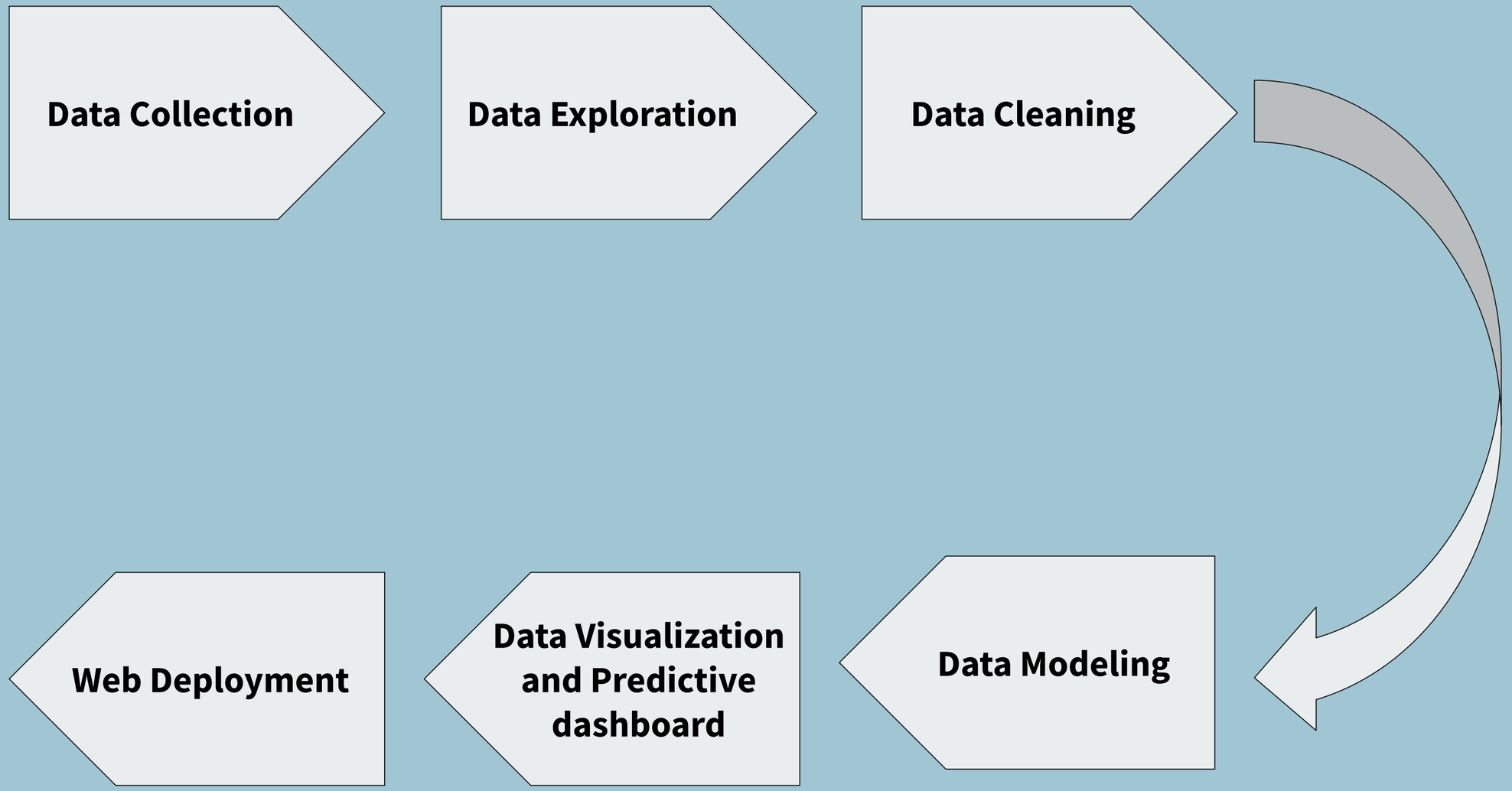
OBJECTIVES

- Help people in seeking quality jobs.
- Efficiency in planning career.
- Prediction of accurate trends.
- Visualize the data in suitable predictive dashboard.
- Effective data analysis and machine learning algorithm to analyze quality of job
- User friendly and interactive.
- To gain an edge in your placement process information.
- Analyze historical data to forecast future outcome based on variety of set parameters.



PROPOSED SYSTEM ARCHITECTURE

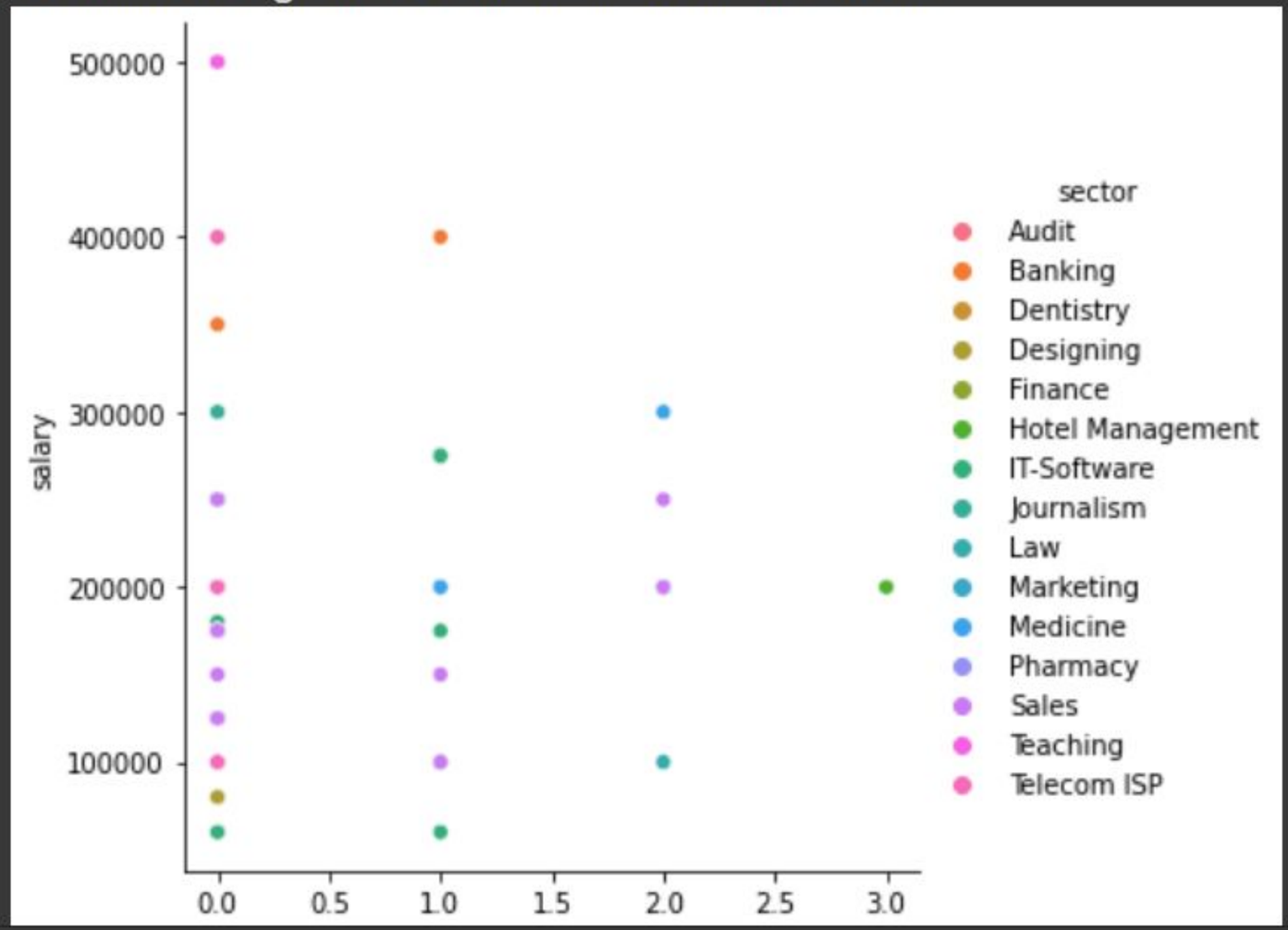
MODULES


Data Collection
Data Exploration
Data Cleaning
Data Modeling
Data Visualization and Predictive dashboard
Web Deployment

WORKING OF THE ML MODEL

```
sns.relplot(x = "experience", y = "salary", hue = "sector", data = raw_data)
```

```
<seaborn.axisgrid.FacetGrid at 0x7f9ebc754810>
```



```python
import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
from sklearn.preprocessing import LabelEncoder,OneHotEncoder
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.naive_bayes import GaussianNB
from sklearn.metrics import mean_squared_error
```

```python
from sklearn.naive_bayes import GaussianNB

clf = GaussianNB()
clf.fit(X, Y)
```

SYSTEM REQUIREMENTS

- SOFTWARE: Operating System: iOS, Android, Linux, Windows, MacOS, iPad OS, etc.

  Browser: Chrome, Mozilla Firefox, Safari, etc.
- HARDWARE: Processor: i3 and upwards compatible, RAM: 4gb, Disk Space: 50 Gb

TECHNOLOGIES USED

- Python, HTML, CSS, Bootstrap
- Libraries: Pandas, Numpy, Matplotlib, Seaborn
- Frameworks: Scikit Learn, Django
- Other Tools: VSCode, Colaboratory

OUTPUT SCREENS

URA Home About Login Register

Log In

Username*

Password*

Login

Need An Account? Sign Up Now

Our Sidebar

- Newest Features
- Announcements
- Calendars
- etc

URA Home About Login Register

Join Today

Username*

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

Enter the same password as before, for verification.

Sign Up

Already Have An Account? Sign In

Our Sidebar

- Newest Features
- Announcements
- Calendars
- etc

Welcome to URA!

Your one stop for Predicting the trends in Quality Oriented Jobs! We understand that Job hunting is a difficult feat and we hope this makes some of your work easier.

Enter Location:

Enter Sector:

Enter Salary:

Enter Qualification:

Enter Experience:

Our Sidebar

- Newest Features
- Announcements
- Calendars
- etc

Calendars

etc

Enter Sector:

Enter Salary:

Enter Qualification:

Enter Experience:

Submit

URA Home About Login Register

Welcome to URA!

Your one stop for Predicting the trends in Quality Oriented Jobs! We understand that Job hunting is a difficult feat and we hope this makes some of your work easier.

Enter Location:

Pune

Enter Sector:

Sales

Enter Salary:

100000

Enter Qualification:

B.Tech

Enter Experience:

1

Submit

Our Sidebar

- Newest Features
- Announcements
- Calendars
- etc

THE RESULTS:

The predicted job designation for your particular set of skills and experience is:

Business Development Executive.

Hope you do well at your job!

Our Sidebar

- Newest Features
- Announcements
- Calendars
- etc

CONCLUSION

- From the experimental results of the model we built using a Machine Learning Algorithm, it is proposed that the algorithm is a simple and effective model to solve the problem and we proved that this method is one of the best solutions for predicting future jobs opportunities.

THANK YOU.