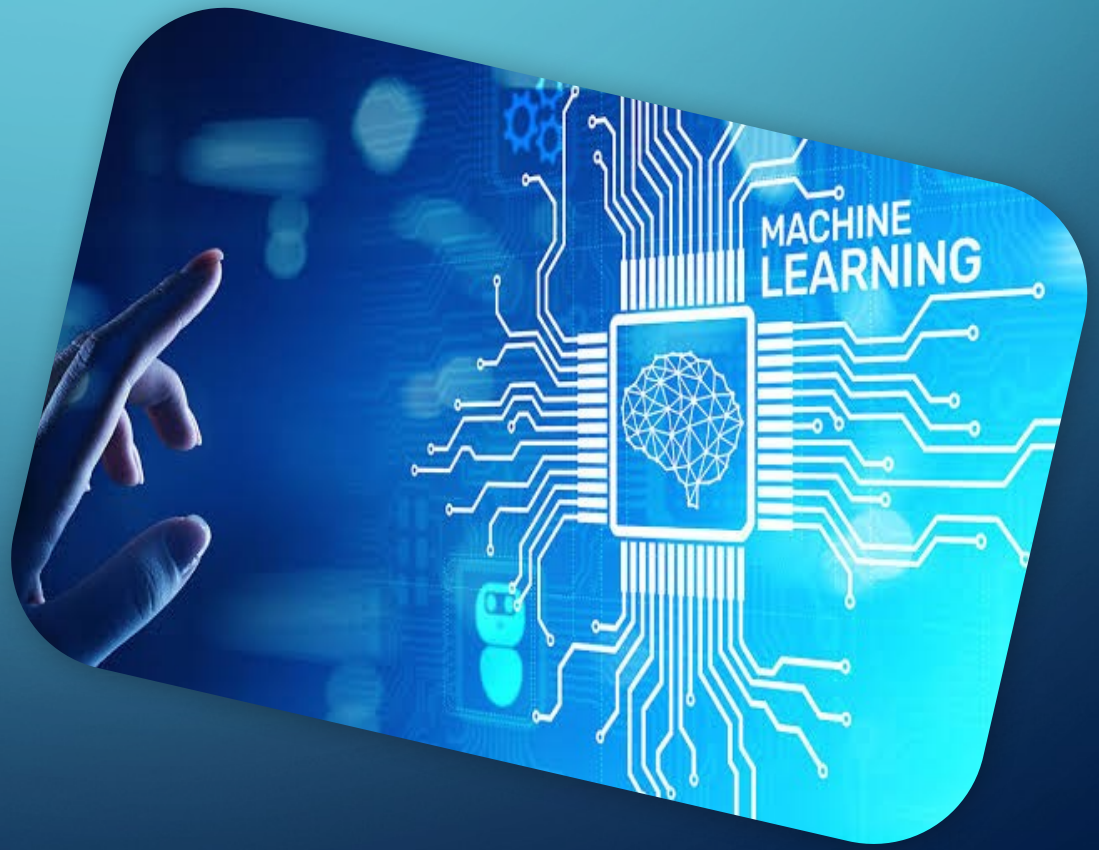
RAJESWARI VEDACHALAM GOVERNMENT ARTS COLLEGE CHENGALPATTU

(BACHELOR OF COMPUTER APPLICATION)

IDENTIFYING PATTERNS AND TRENDS IN CAMPUS PLACEMENT DATA USING MACHINE LEARNING



PRESENTED BY

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INTRODUCTION

campus placement or campus recruiting is a program conducted within universities or other educational institution to provide jobs to the students nearing completion of their studies

PURPOSE OF THE PROJECT

Identifying trends and patterns in campus placements can provide valuable insights into job market. And help universities and colleges prepare their students for the job market.

BUSINESS IMPACT

The project could help the organizations make more informed decisions about recruiting and hiring new graduates

DATA COLLECTION AND PREPARATION

1.Collect the dataset

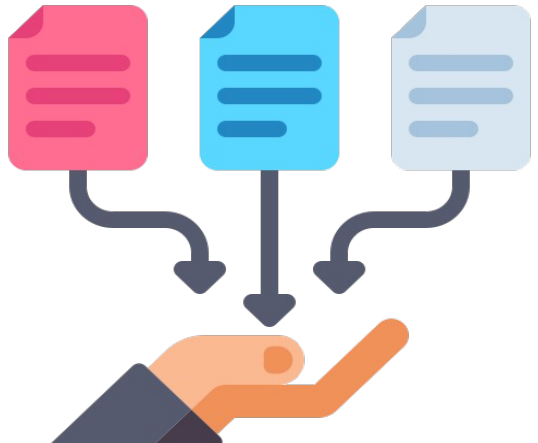
The first step is to collect the data on the campus placements over the past years, data should include exam percentage, experience, percentage of student placed.

1.1.Importing the libraries

After collecting the dataset, we have to import libraries.

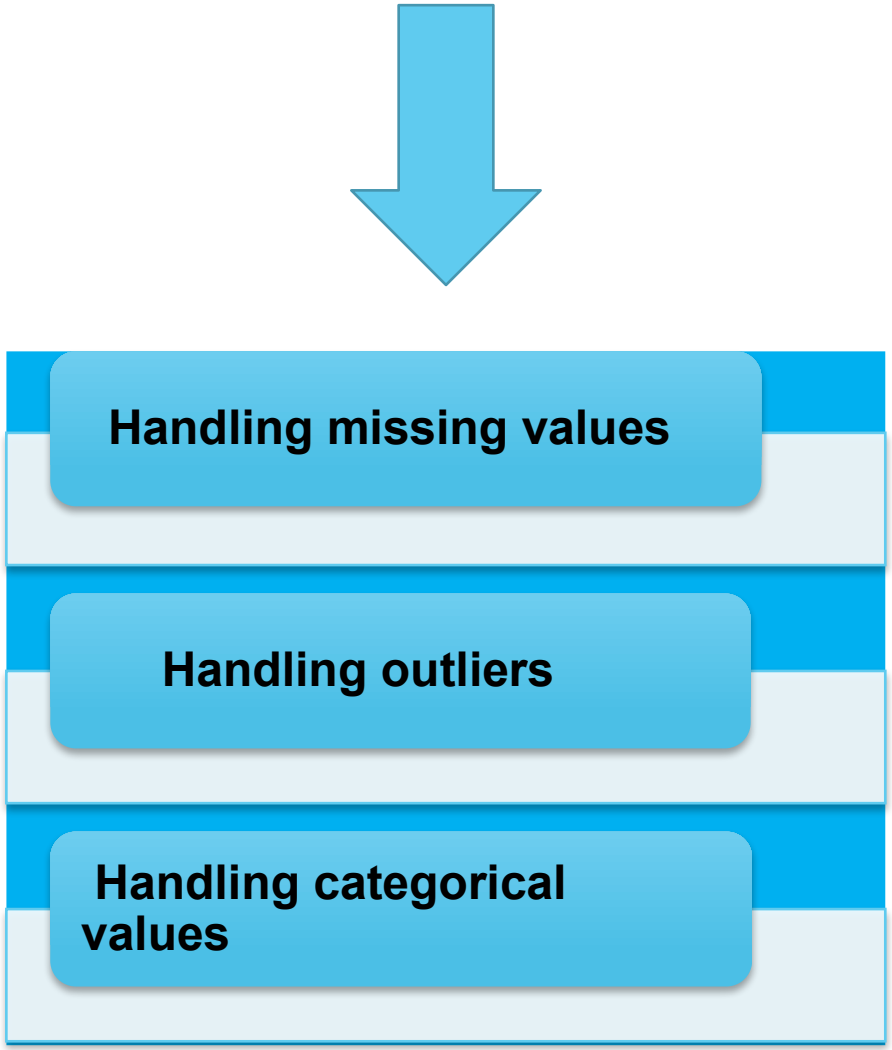
1.2.Read the dataset

Next step we can read the dataset with the help of pandas. In pandas we have function called read_csv() to read the dataset.



2.Data preparation

Data preparation involves cleaning, transforming, and organizing data.
This step can include removing outliers, handling null values.



EXPLORATORY DATA ANALYSIS

1.Visual Analysis

Visual analysis is process of using visual representation. Such as charts, plots, and graphs, to explore and understand data.

1.1.Univariate analysis

Univariate analysis is understanding the data with a single feature.

1.2.Bivariate analysis

Bivariate analysis involves analyzing the relationship between two variable.

1.3.Multivariate analysis

Multivariate analysis is to find the relation between multiple features.

MODEL BUILDING

Build the model after data is cleaned. We can train our data on different algorithm. The best model is saved based on its performance

1.Training the model in multiple algorithms

In this project We will using different algorithms. From this the best model is selected and saved in .pk1 format.

SVM MODEL

KNN MODEL

ANN MODEL

MODEL DEPLOYMENT

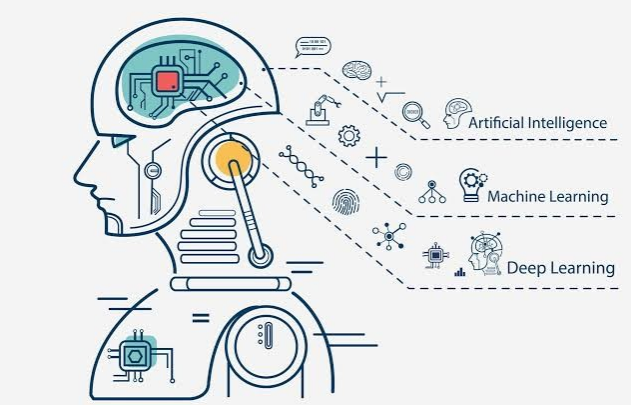
- ✓ Save the best model
- ✓ Building the Html pages
- ✓ Build python code
- ✓ Run the application

BENEFITS

- Improved understanding of job market.
- Better preparations for interviews.
- Improves placements rates.
- Improved student outcomes.

CONCLUSION

In conclusion, Identifying patterns and trends in campus placements is an important exercise that can provide valuable insights into the job market and help institutions better prepare their students for future employment.




THANK YOU