TECH 4 S TECHNOLOGY

AI-FEST

AN ML APPROACH TO AUTOMATIC RESUME FILTERING

Problem Statement

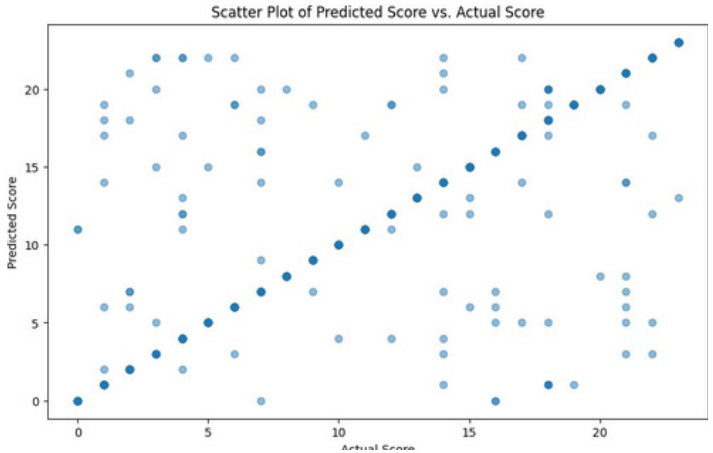
Manually categorizing resumes into job-specific categories is labor-intensive and prone to biases.

Dataset Description

The dataset is resumes in pdf format.
The dataset comprises labeled resumes across various job categories Each resume is preprocessed to standardize format and remove noise.

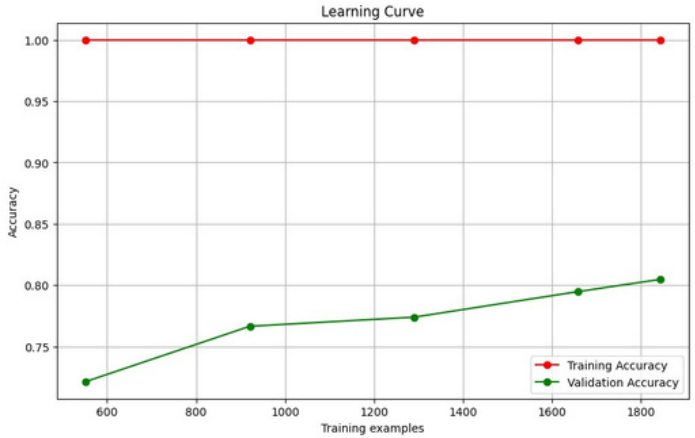
ML Based Model

Natural Language Processing (NLP): Used to understand and process the text content of resumes.
XGBoost: A machine learning algorithm employed for the actual classification task.



Score Generation

By training our model using XGBoost , we have acquired 85% of accuracy for the prediction.



Conclusion & Next Steps

This ML-based resume classifier offers a powerful solution for streamlining the hiring process.
It helps recruiters quickly identify qualified candidates, saving time and resources.
We plan to further enhance the classifier by incorporating more sophisticated machine learning models and expanding its feature set

References

Kaggle DataSet:
https://www.kaggle.com/datasets/snehaanbhawal/resume-dataset

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