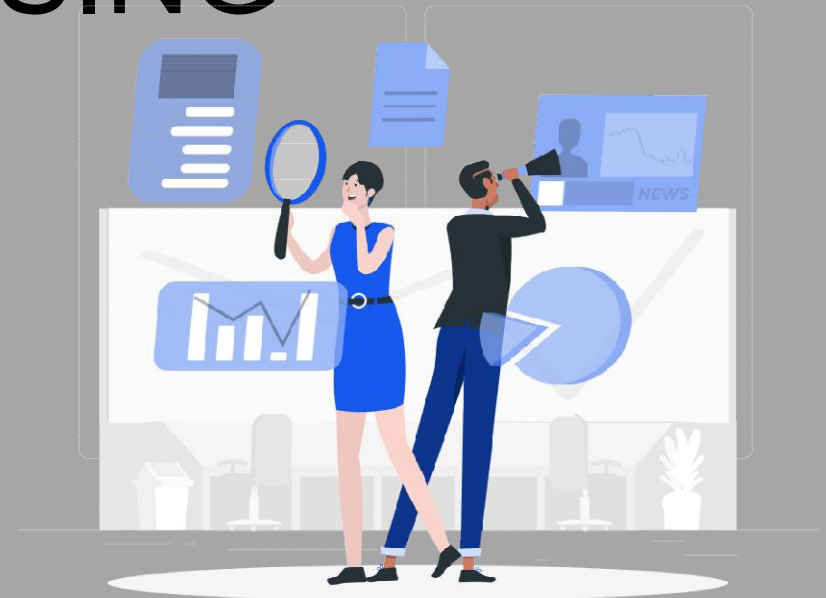


A SYSTEM TO SHORTLIST CANDIDATES USING NATURAL LANGUAGE PROCESSING



BACKGROUND

- Many companies have seen an increase in applications as more people are getting opportunities to learn.
- HR departments may have a difficult time in scanning through resumes.
- There is a need to find more efficient ways to handle the recruiting process.



PROBLEM STATEMENT

- Companies spend too much time in reading through resumes and matching candidates that will fit the companies requirement. This system aims to solve the shortlisting part of the recruiting process using Natural Language processing and semantic matching.



Objectives



Main Objective

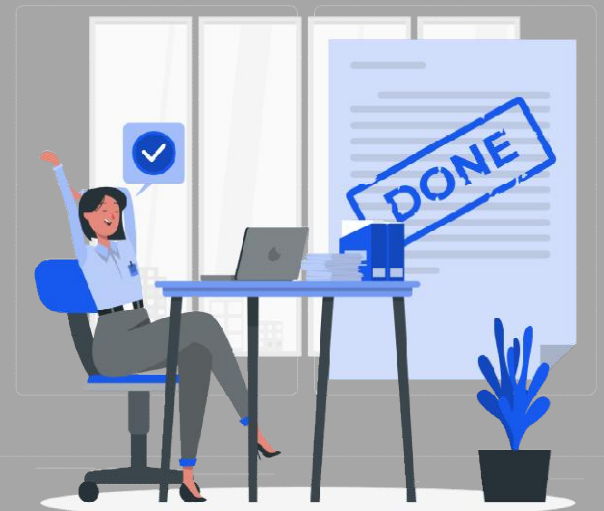
- ❖ To develop a Natural Language Processing system that evaluates applications and shortlist candidates for a job.

Specific Objectives

- ❖ To investigate the challenges faced by recruiters when processing job applications
- ❖ To develop a model that will optimize job applications evaluation process.
- ❖ To test and evaluate the proposed model.

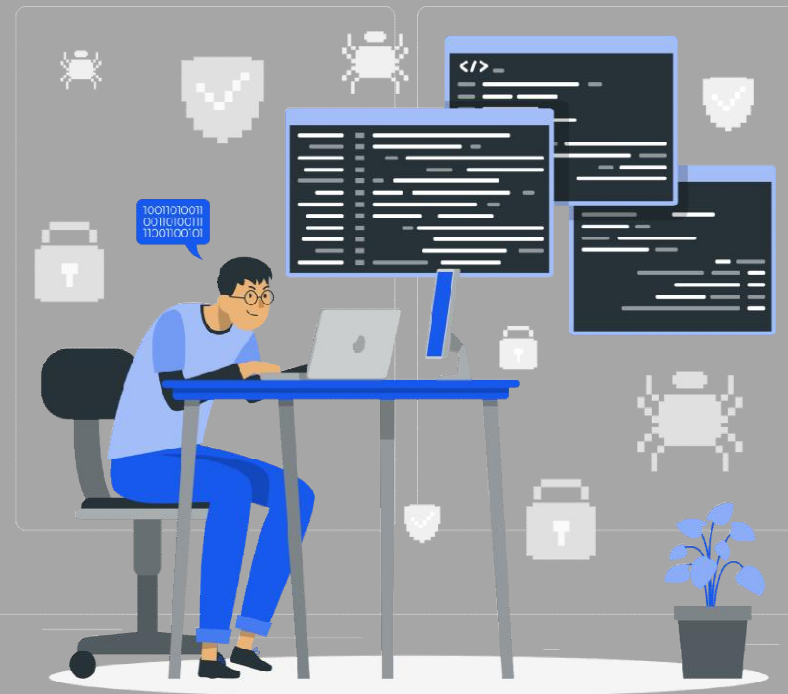
Justification

- ❖ This system will help recruiters save time and resources.
- ❖ The system will help in identifying candidates that much a companies needs.
- ❖ The system will be more efficient therefore providing better results.



Scope

This model will be trained to handle majorly Technical and some business skills. It will therefore be viable within the boundaries of Technical companies.



Literature Review

The listed below are models assisting in the recruiting process:

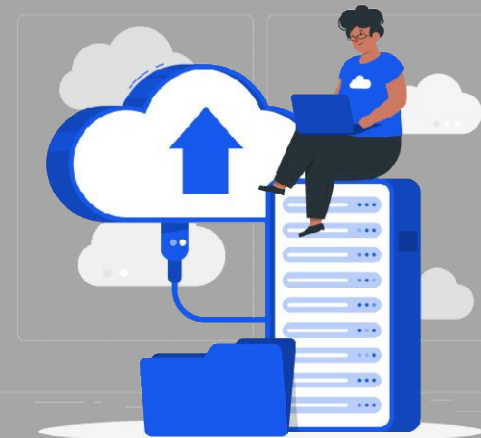
- ❖ Ideal's Virtual Assistant
- ❖ Avrio ai Inc.
- ❖ Entelo.
- ❖ Myas System.

These systems assist in talent Sourcing, recruiting or candidate Screening and engagement.



Proposed Methodology

The short listing model aims to use Natural language processing and semantic matching to read through resumes and compare the company's requirements with the candidates qualification

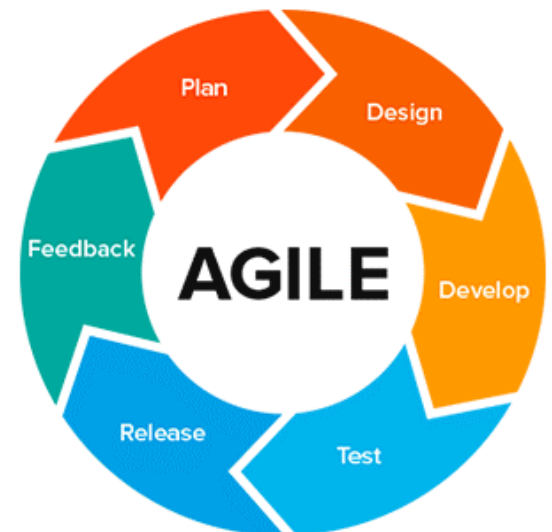


Software Design

The approach set to be used in the system development methodology is the Agile Design.

This method encourages flexible responses to change and allows for both development and testing activities to be done concurrently

- ❖ Planning
- ❖ Design
- ❖ Develop
- ❖ Test
- ❖ Release
- ❖ Feedback



Thank You

