**OVERVIEW**

Companies often receive thousands of resumes for each job posting and employ dedicated screening officers to screen qualified candidates. Hiring the right talent is a challenge for all businesses. In a typical service organization, professionals with a variety of technical skills and business domain expertise are hired and assigned to projects to resolve customer issues. This task of selecting the best talent among many others is known as Resume Screening.

**Project goals**

1. Filtering Resumes easily.
2. Automating the process of resume selection.
3. Ability to handle larger number of resumes in short time.

**SPECIFICATIONS**

**Using** the dataset, I will perform an EDA on Resume Dataset. So, I will build the appropriate NLP model for each entered resume to filter them upon the request of HR department. Using python libraries to complete all my tasks starting from EDA to deal with my data in terms of missing data and data cleaning and plotting my data to visualize the data, and also using various **nltk** models to apply the appropriate NLP techniques dealing with our data set. After that we have used the supervised learning on our data by applying KNN classifier, and we have used the unsupervised learning on our data by clustering.