

Project Proposal

To build a successful career, good paying job is not the only factor that leads to your success in a longer run. The environment of the company, the management culture, politics within the company, career growing opportunities and other external and internal factors plays an essential role in the level of productivity you offer to the company, your dedication, motivation and loyalty to the company which will potentially boost your career as your level of satisfaction and productivity for the company would increase.

No body desires to work in a place which results in higher stress and discomfort in their lives. Employment is a two-way bond where not only employer seeks highly talented employee to join their company but also employee seeks to work for the organization, or the company which is most compatible and suitable to their work style.

To provide a solution in this regard, I am planning to build and design a mobile application which can facilities users finding the reviews of top tiers company in a centralized manner, the user does not need to go to different sites and link in the website to check reviews, the user does not have to search thoroughly to the job review based system application, they can install the application and they will get the information all they need in one place, also the application is a recommendation systems which will recommend user companies to would like to work for according to their previous search and profile track record in the application.

The main three features in the application includes:

- 1) Search
- 2) Classifier
- 3) Recommendation

The search would allow the user to enter their query, they can query for the companies with low stress-load, work-life balance and other factors according to their needs. The second feature for the application is a Classifier which will use machine learning algorithms such as K-nearest neighbor and SVM to classifier company into different groups in terms of rating, culture-values, work-life and other pros and cons of the company. The last but not the least the application also have the recommendation system which will use content based filtering and collaborative filtering to recommend users which companies they would probably like to work at or which companies suits them according to user's profile track record in the application

Link to the dataset used for the application:

<http://www.kaggle.com/petersunga/google-amazon-facebook-employee-reviews>

Existing similar applications:

<https://play.google.com/store/apps/details?id=com.linkedin.android>

<https://itunes.apple.com/us/app/ziprecruiter-job-search-free/id541933937?mt=8>

<https://play.google.com/store/apps/details?id=com.indeed.android.jobsearch&hl=en>