CS-579 – Project Proposal
LinkedIn Job Recommendations

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Introduction

- Goal

  To recommend jobs to a person on LinkedIn based on area of interest and location.

- Problem

  LinkedIn is the world's largest professional social networking site designed specifically for the business community. But this fails to recommend jobs, we have to manually search for a particular job.

- Proposal

  The Key idea is to use the user profile data like "Headline", "Location" & "Current role" and recommend current available jobs to the users.

Approach

- [Python-LinkedIn-API](#) for collecting the required data.

- This library gives us a pure python interface to the LinkedIn Profile, Group, Company, Jobs, Search, Network.

- Retrieve of profile headline, current job & location by using "profile" API

- Data from the "profile" API used to perform paraphrase "Search" operation and analyzing on recommending job list for the user

- The jobs are returned as recommendation for the user

Data

- Collecting user profile data & Job listing data from LinkedIn.

  - From profile data we will use:
    - User Id
    - User Name
    - Headline
    - Location
    - Current Role

  - From Job listing data we will use:
    - Job Code
    - Job Title
    - Company
    - Job Location

TimeLine

- Stage-1 : Setting up of the authentication and all the api requirements and collection of user profile information by 11/01/2015

- Stage-2 : Paraphrased search is done on available jobs by 11/08/2015

- Stage-3 : Integrating results to get few job recommendation 11/15/2015

- Stage-4 : Running the code on set of users and testing it 11/22/2015

- Stage-5 : Final Submission of Project 11/29/2015

THANK YOU