ECE 656 winter 2023: Project Proposal

Jobs Insights

Yashvi Rakeshkumar Patel (**20992535**)
yr3patel@uwaterloo.ca

Umang Rajeshbhai Ajwalia (**21017176**)
urajwali@uwaterloo.ca

The `Jobs Insights` web application is a platform for job seekers to search and browse data-related jobs on Glassdoor. The web application will allow users to search for jobs by keyword, location, and company. Users can also view detailed information about each job, including company information, reviews, and salaries. In addition, the web application will allow users to post reviews and salaries about their own experiences with companies listed on Glassdoor.

Implementation of the Project:

1. *Dataset selected*: Glassdoor dataset Source:
   https://www.kaggle.com/datasets/andresionek/data-jobs-listings-glassdoor

2. *Purpose*: Develop a job search and employer review web application that allows users to search for jobs by keyword, location, and company. The application will provide detailed information about each job, including company information, reviews, and salaries. Users can also post reviews and salaries about their own experiences with companies listed on Glassdoor.

3. *Ideal functionality of the client*:

   - Allow users to search for jobs by keyword, location, and company
   - Display detailed job information, including company information, reviews, and salaries
   - Allow users to post reviews and salaries about their own experiences with companies
   - Provide personalized job recommendations based on user's search history and preferences
   - Allow users to save job listings and apply to jobs directly from the application
   - Provide a feature for employers to respond to user reviews and improve their overall rating.

4. ***Limited functionality to prototype***:
   - Allow users to search for jobs by keyword and location
   - Display basic job information, including company name, job title, and location
   - Allow users to view reviews and salaries for companies
   - Allow users to post reviews and salaries about their own experiences with companies

5. ***Proposed data-mining exercise*** (Which one do you recommend out of these three, or if you have other suggestions):

   - Estimating/Predicting salaries based on education, experience, location and industry.
   - Sentimental analysis of reviews for different companies.
   - Compare Companies