

# JOBIN

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Advanced Company Profiling using Machine Learning

# About Jobin

Jobin uses a candidate's publicly accessible personal and professional data to give insights about whether he/she will be suitable to work in a company. It actually compares a person's personality and professionalism with the already existing employees of a company which may suggest the candidate whether it is good for him/her to work for the company.

It essentially provides the company and the user, a company index to know about the work culture, structure, skill sets, and mindsets for the company.



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# Problem statement

Jobin uses the basis of the Problem Statement of Friend Affinity Finder to suggest a user whether its suitable for him/her to work for a particular company based on a comparison with the work culture, skill sets, mindsets of the already working employees.

Jobin essentially uses the IBM Watson's Personality Insights Service to gather personal and professional information about a candidate and already employed people from the publicly accessible data available.

Jobin classifies a user on suitability using Decision Trees which are trained by the data of already employed people.



# TEAM

The BitLords



# team.

*the lords to know who conquer the bits*



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# Technologies/Platforms/APIs

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01

## Technologies

- IBM Watson's Personality Insights
- SQL Lite
- Google Sheets

02

## Platforms

- Django Framework
- Selenium Framework
- Google Driver Framework

03

## APIs

- Twitter Standard Search API
- Facebook Graph API
- Google Sheets API



# ARCHITECTURE

**Project Jobin works on the principles that personal and professional available data from publicly accessible sources can surely suggests a person's insights, behaviours, skill set and mindset towards any particular as well as general topic. In this project we essentially compare a user's personal and professional insights with the data of employees of a company suggesting similar traits and whether it will be suitable or not for a person to work in the company. Jobin works on following services.**

## → **Company Registration**

Firstly, a company is asked to register providing business details and details of its employees including social media handles. The publicly available data available in them is used to gain insights about them using Watson's Personality Insights, and a company index is made providing data about its work culture, skillsets, mindsets etc.

## → **Candidate Registration**

A user can search upon a previously registered company and provide his/her social media handles. Personality Insights are extracted for the user and then compared with the company's index to suggest suitability of his work with the company.

# Data Flow Diagram

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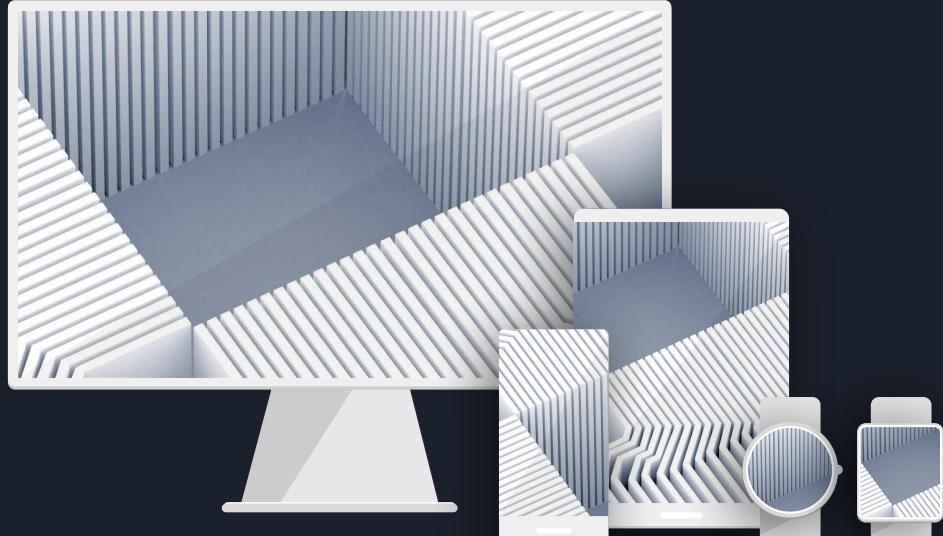


## UI/UX

The whole project works on django-2.2.3 framework which provides us a library, full of options including a local server to host and an inbuilt mysqlite3 database.

All the html files are in html5 format and the css styling is powered by w3.css

The Selenium framework is used for Web Harvesting purposes and the Google Drive API is used to display the necessary spreadsheet.





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thank you.

