



AHMEDABAD UNIVERSITY

School of Engineering and Applied Science

Ingenious Hackathon 2018

Team: DS4-Talisman

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Outline

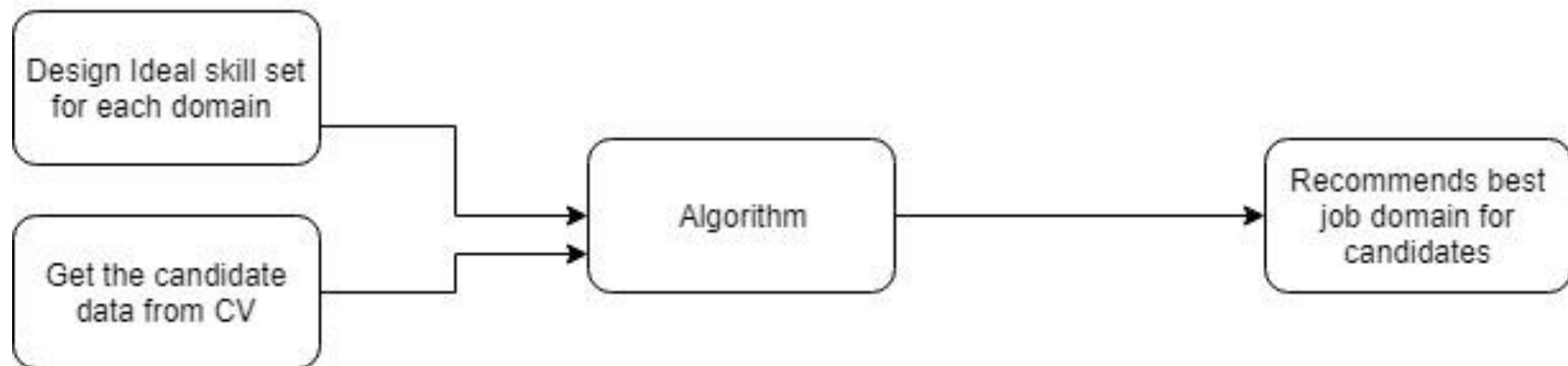
- Problem Definition
- System Model
- Flow Chart
- Live Demo
- Future Work
- Q&A

Problem Definition

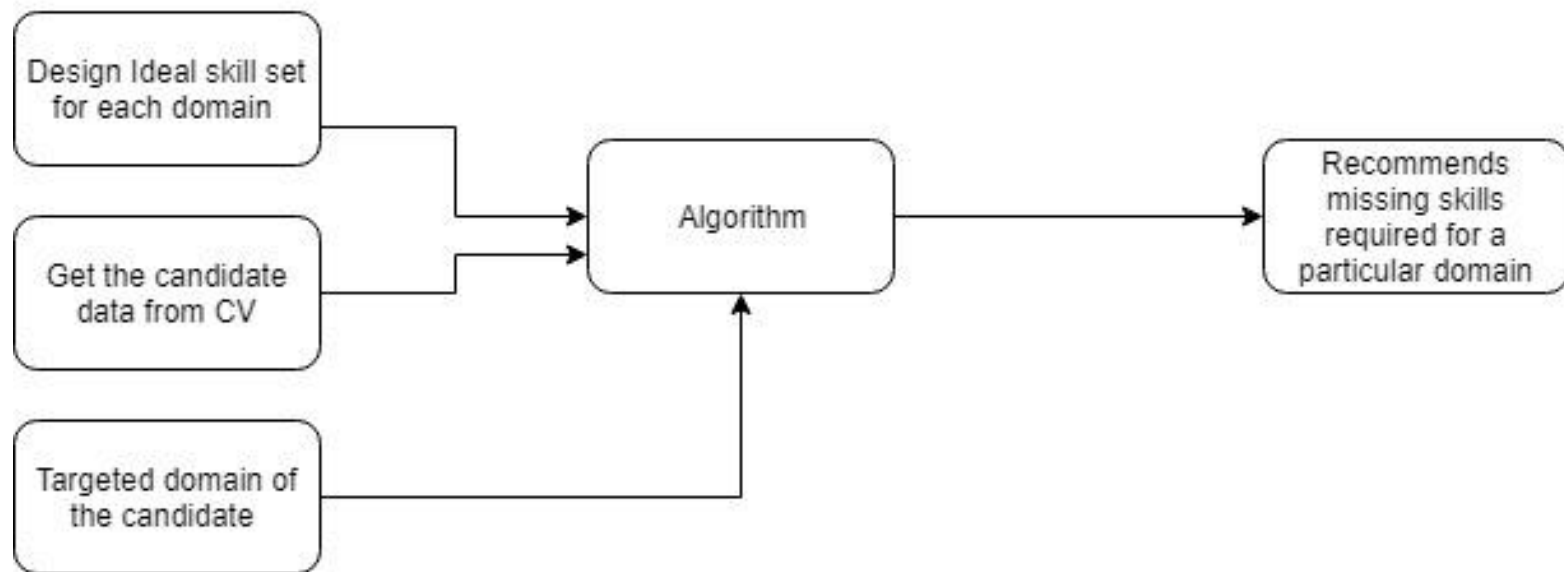
- Hiring process **involves manpower for filtering right candidates**, and this process is very **time consuming**.
- Also from candidates' perspective, finding a job which matches his/ her profile is a challenging task.
- Hence, we created a model **which can recommended a best job profile to a candidate** based on his/ her skills and knowledge in particular domain based on past experiences and projects done.
- We are **suggesting some areas on which he/ she can improve for getting better posting**.

Flow Chart

Job recommendation Algorithm

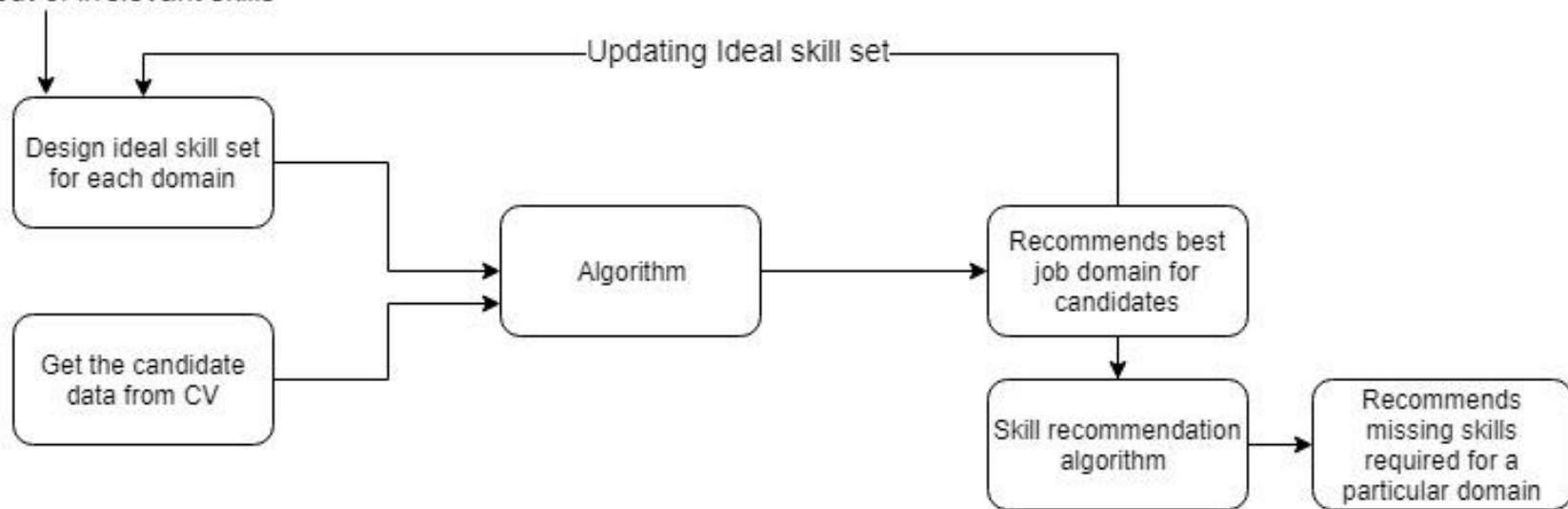


Skill recommendation Algorithm



Improved Job recommendation system

Manual filtering out of irrelevant skills



System Model

- We have implemented a **Baseline Model** and the data used for modeling is generated by overselves.
- We have taken **3 domains** namely data science, software development and game development. Each of this 3 domains contain **3 sub fields**.
- Using **NLP**, the keywords are extracted from **project** definitions of a given candidate which will represent his **knowledge in that field**
- Similarly candidates' **skills** can be extracted from skills part of given resume
- These skills and concept data of 15 candidates will work as training data for our system
- The model will keep on learning from data set and update its parameter and weights

Live Demo

Future Work

- Employee recommendation
 - Based on scoring candidate using job description (using our model only)
 - Based on employee similarity (requires more data)
 - Using skill-set of employee of similar type of company
 - Rate them
 - Pick top employees and find similar employee in our candidate database

Any Questions...??



Thank you!