AI Recommender System

DEEP LEARNING NLP TECHNIQUES

Parsing resumes, information extraction, recommending based on similarity metrics through weighted sum approach
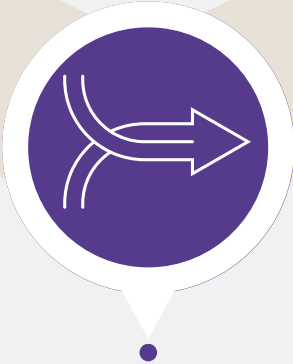
CONTENT BASED FILTERING

based on content-based recommendation strategy where recommendations are generated based on (similar) jobs the user has previously browsed
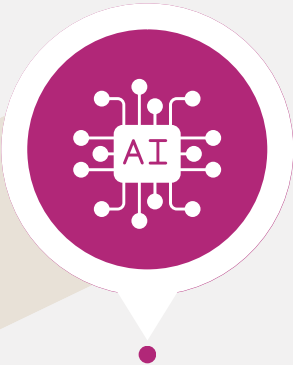
COLLABORATIVE FILTERING

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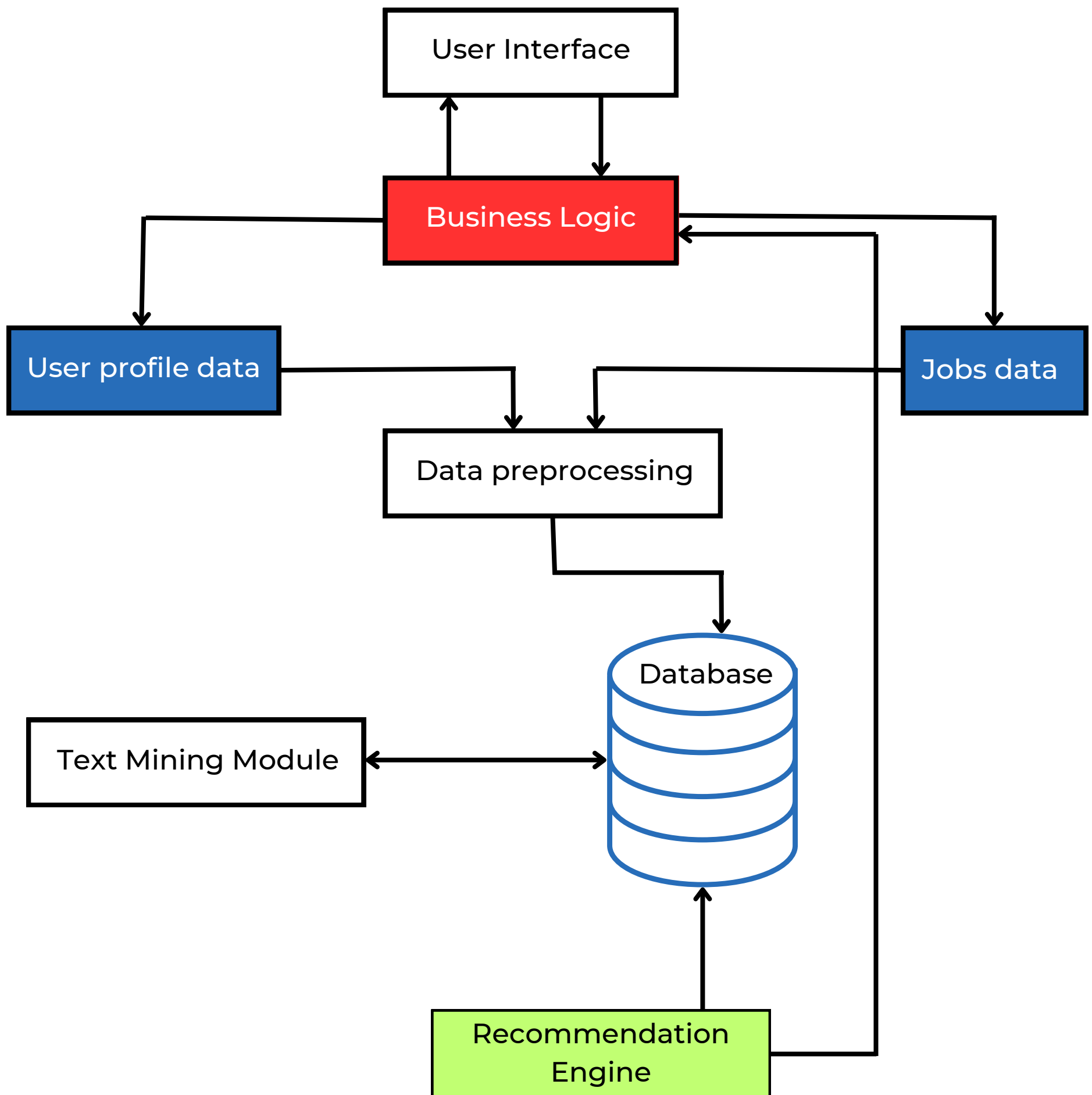**CONTENT BASED + COLLABORATIVE FILTERING**

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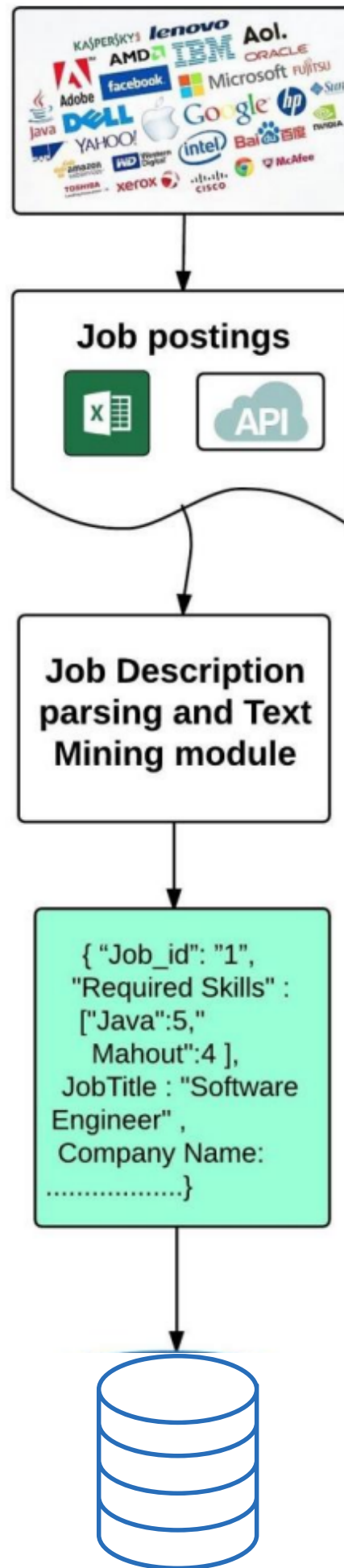
DAA

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Architecture system diagram (v1)

Job parsing module (v1)

Job postings

Job Description parsing and Text Mining module

{ "Job_id": "1",
"Required Skills" :
["Java":5,"
Mahout":4],
JobTitle : "Software
Engineer" ,
Company Name:
.................}

Content based recommendation (v1)

Resume Upload

(1)

(2) → **Document Processing**

(3) → **Information retrieval**

(4) → **Text Parser NLP Based**

(5)

{ "User_id": "1",
"Skill" : "Java",
"weightage" : 5 }

{ "User_id": "1",
"Skill" : "Mahout",
"weightage" : 4 }

(6)

(7) → **User Based CF**

Recommendation Engine

(8) → **Recommendation Model**

(9) → **Skill Recommendations**

{ "User_id": "1",
"Recommended Skills" : ["C", "C++", "HTML", "CSS"] }

(10)