

Job Mitra: Connecting Talent with Opportunity

Your ultimate online platform for seamless job searching and hiring,
tailored to your unique skills and needs.

Prepared by :

Dinesh Chauhan

Nikesh Katuwal

Chiranjibi Dulal





OVERVIEW

Introduction to **Job Mitra**

Job Mitra is an innovative web-based job portal designed to create a vibrant marketplace where employers and job seekers can connect effortlessly. Our platform streamlines the entire recruitment process, making it faster and more efficient for everyone involved.

Problem Statement:

- Limited Job Matching Accuracy
- Insufficient Communication and Collaboration
- Inefficient Application Process

Objectives:

- To filter the job based on the users profile by using the cosine similarity algorithm.
- To support better hiring decisions using analytics, ranking and matching scores.
- To help employers identify and shortlist suitable candidates quickly and accurately.
- To help both the new job seekers and new organizations to get the job and to post the job according to their requirement.
- To enable job seekers to create and update professional profiles and resumes in one place.

Our Vision: Empowering Connections



For Job Seekers

Discover opportunities perfectly matched to your skills and aspirations.
Apply with ease and track your progress.



For Employers

Find the ideal candidates for your team. Post jobs efficiently and manage applications seamlessly.



The Minds Behind Job Mitra

Dinesh Chauhan

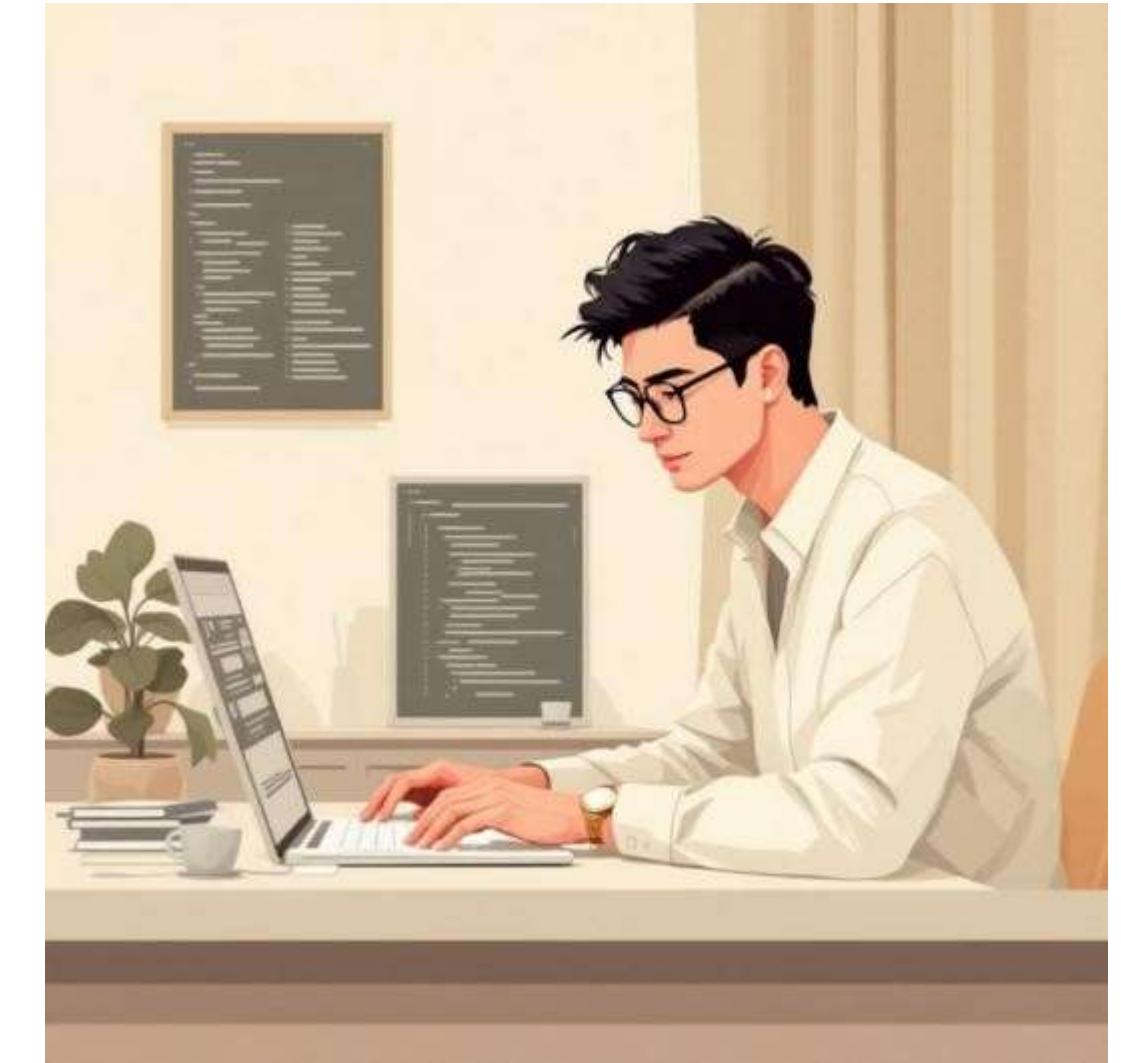
Database Specialist

**Chiranjibi Dulal**

Frontend Developer

**Nikesh Katuwal**

Backend Developer





Simplifying Your Job Search

1

Personalized Profiles

Create a detailed profile that highlights your unique skills, experience, and career aspirations.

2

Intelligent Matching

Our system uses advanced algorithms to connect you with jobs that truly fit your expertise.

3

Effortless Applications

Apply to multiple jobs quickly and efficiently, saving you valuable time and effort.

Empowering Employers to Find the Best Talent

1

Streamlined Job Posting

Post detailed job descriptions in minutes, reaching a broad pool of qualified candidates.

2

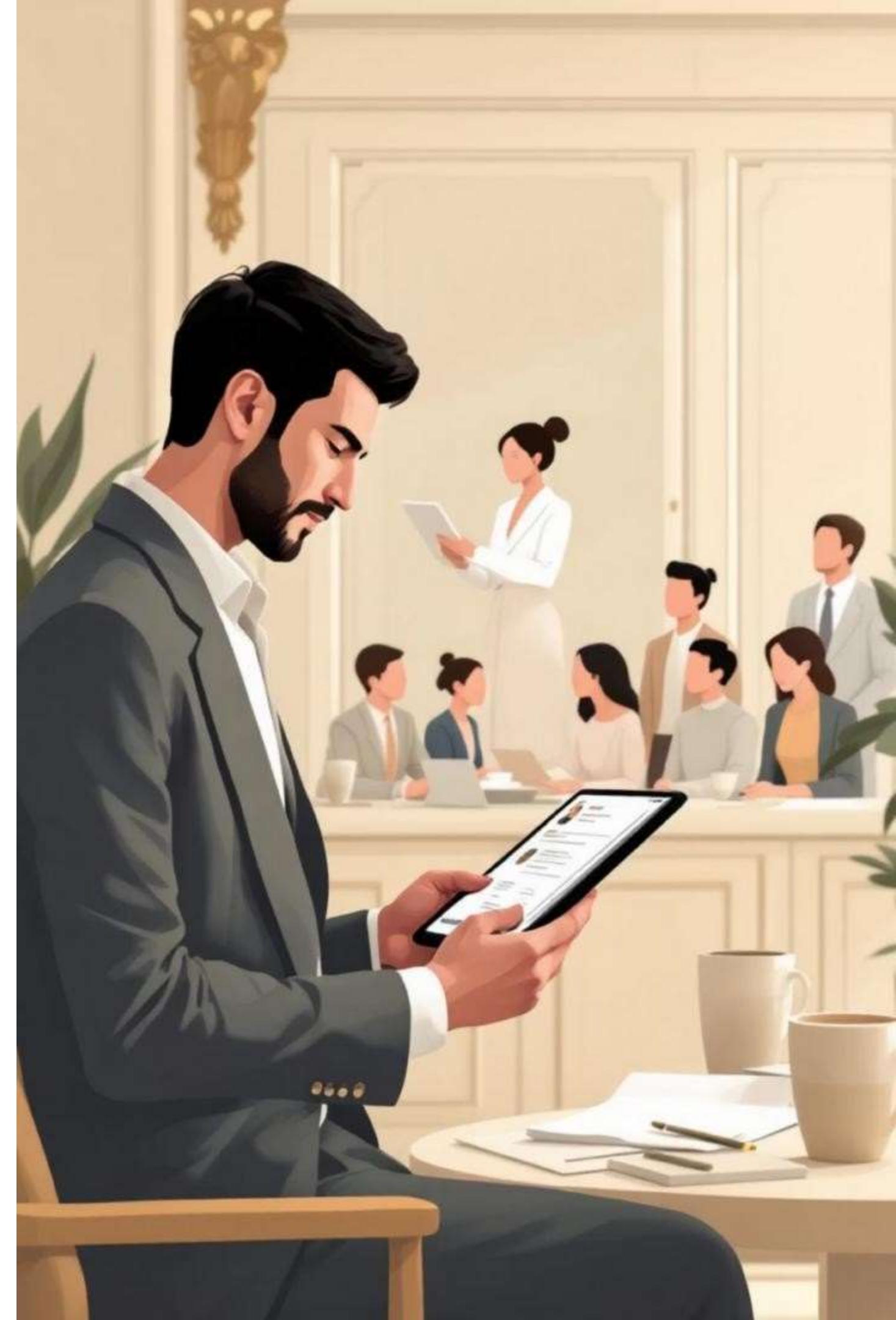
Advanced Candidate Filters

Utilize powerful search and filter options to pinpoint the perfect match for your requirements.

3

Integrated Communication

Communicate directly with candidates through our platform, from initial outreach to interview scheduling.



The Job Mitra Advantage: Why Choose Us?

Time-Saving Solutions

Our intuitive interface and smart features drastically reduce the time spent on recruitment.

User-Friendly Experience

Designed with simplicity in mind, our platform ensures a smooth journey for both parties.

Expanded Reach

Connect with a wider talent pool or a greater variety of job opportunities than ever before.

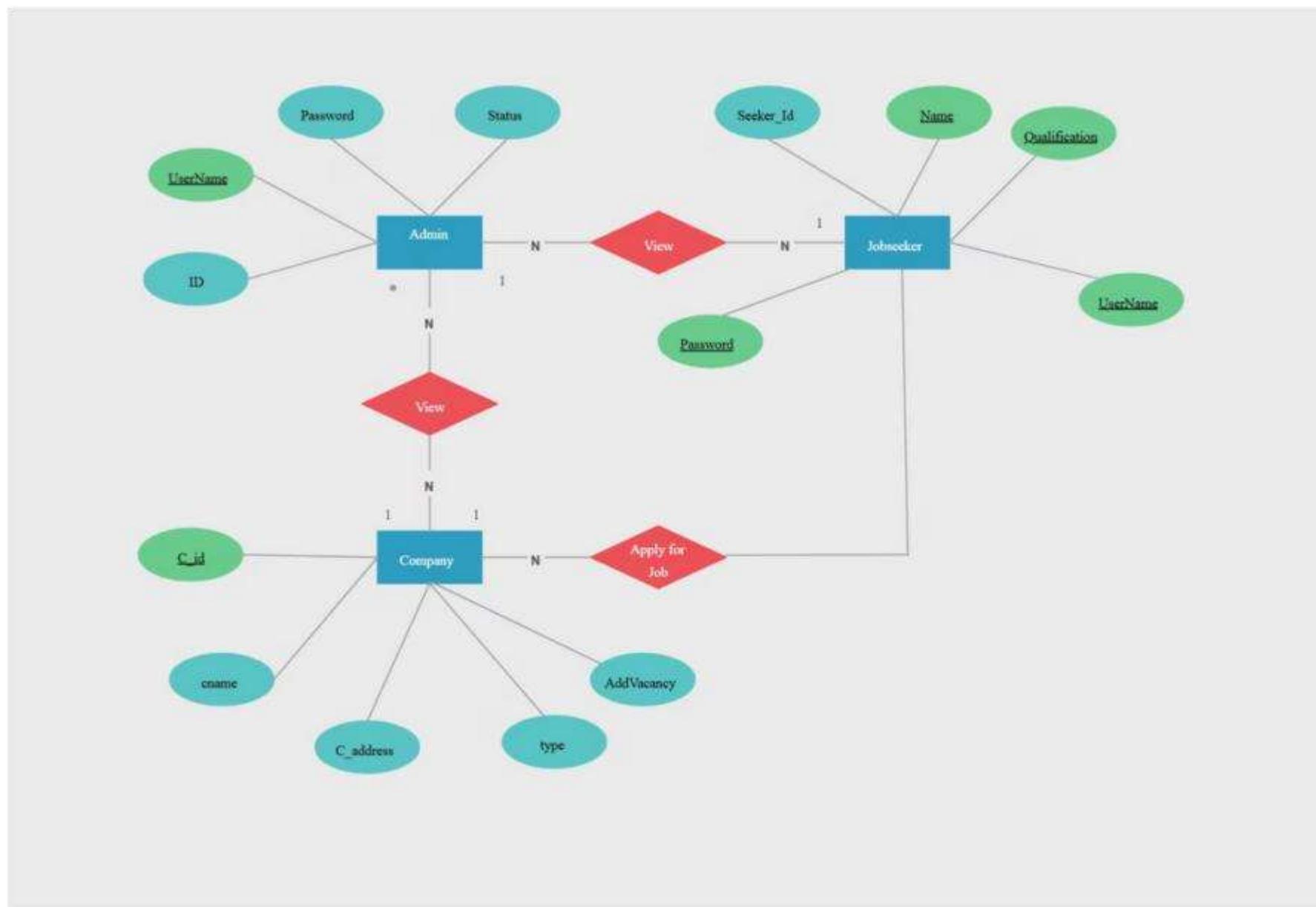
TECHNOLOGY

Cosine similarity Algorithm

Cosine similarity is a mathematical method used to measure how similar two items are by comparing the angle between their vectors. It is very popular in recommendation systems, job portals, text matching, and profile filtering . Similarly, in this Job Mitra platform, a cosine similarity algorithm is mainly used to automatically filter and recommend jobs by comparing the user's profile with job descriptions. It is also used during job searches to rank results based on relevance and user profile matching. Firstly, Cosine similarity convert job descriptions and user profiles into vectors and extract features like skills, experience, education , keywords, etc . And calculate cosine similarity. Now it rank the jobs based on similarity score and also show top matching jobs to the user.

ER Diagram:

An ER diagram is used in this project to represent the database structure and the relationship between entities such as User, Job, Application, and Company.



Gantt Chart:

A Gantt Chart is a project management tool that visually represents a project schedule. It shows tasks or activities on the vertical axis and time on the horizontal axis, using horizontal bars to indicate the start date, duration and end date of each task. Here below is showing the gantt chart for the project Job Mitra,



Agile Methodology: (iterative approach)

Step 1 : Planning phase :

Requirement gathering from:

- Job seekers and employers
- Recruiters
- Business stakeholders

Step 2 : Design phase :

- Design job search UI
- Implement keywords search idea
- Make a proper documentation about the projects

Step 3 : Development phase :

- Code for resume upload
- Job posting functionality
- Profile creation module
- And many more important code is coded in this phase

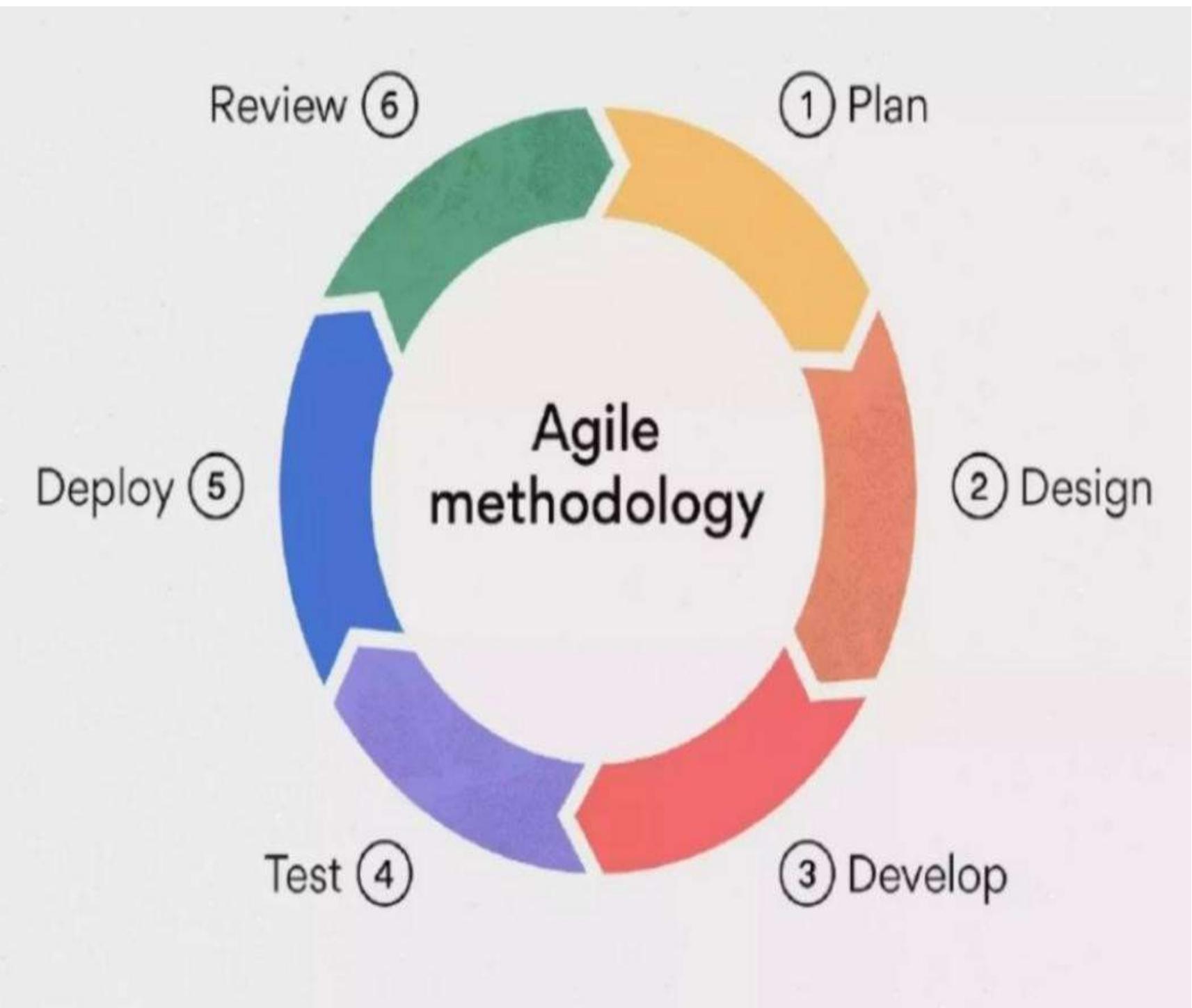
Step 4 : Testing phase :

- Test resume upload file formats
- Test search accuracy
- Test login and authentication

Step 5 : Deployment phase

Step 6 : Review phase :

- Reduce bugs in job filtering logic
- Improve sprint planning accuracy
- Improve communication system between employees and recruiters



Future Enhancements



AI-Powered Resume Analysis

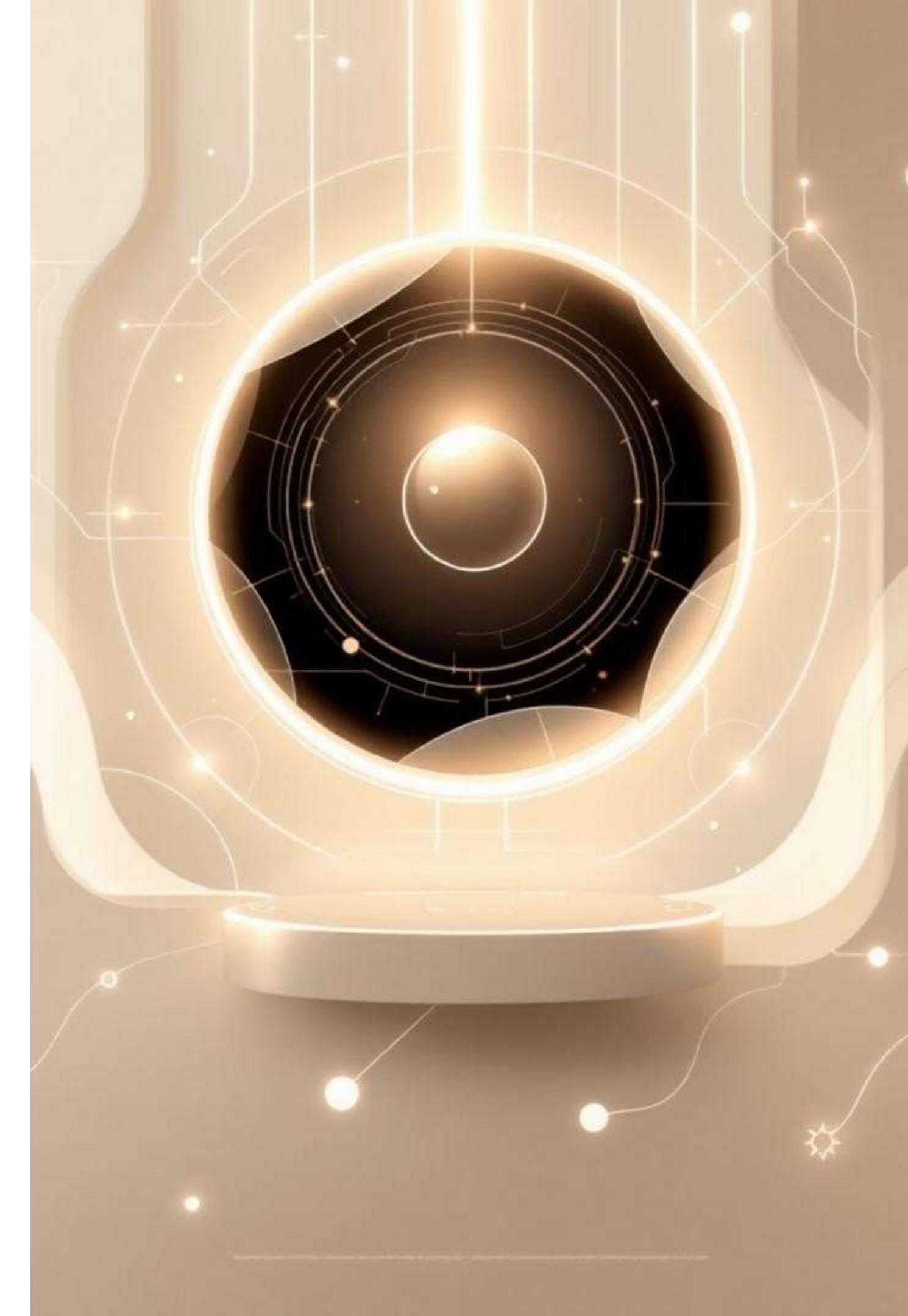
Automated screening and keyword matching for even more precise job recommendations.

Integrated Video Interviews

Conduct and record interviews directly within the platform for convenience and efficiency.

Skill Development Resources

Offer curated courses and certifications to help job seekers upskill and stay competitive.



References :

- 1 M. Mansourvar and N. Y. Mohd, "Web portal as a knowledgemanagement system in the universities," World Academy of Science,Engineering and Technology, vol. 70, pp. 968-974, 2010
- 2 J. Dorn and T. Naz, "Integration of Job portals by Meta-search," inProc. 3rd International Conf. on Interoperability for Enterprise Softwareand Applications, Funchal, Portugal, 2007, pp. 401-412.
- 3 S. Mauno, U. Kinnunen, and M. Ruokolainen, "Job demands andresources as antecedents of work engagement: A longitudinal study,"Journal of Vocational Behavior, vol. 70, 2007, pp. 149-171

Thank You!

**Thank you for your time and
attention**

We're excited to bring Job Mitra to life and connect talent with opportunity. For questions or more information, please reach out to our team.

