

Milestone 3

Team 22

Software Engineering Project: GenATS



Name	Roll Number
Suriya Prakaash J L	21f1001124
Thumula Praneeth Rao	23f2005748
Srujan Umesh Patwardhan	22f3001954
Jeevika S	21f3001259
Jyoti Sharma	22f3001795
Saksham Sirohi	22f1001635
Devendra Kumar	21f2000575
Ashish Al Rashid	22f1001551

Task Distribution

Roles and Responsibilities:

Name	Responsibility
Suriya Prakaash J L	User stories, User interviews, Wireframing, Storyboard, Frontend development
Thumula Praneeth Rao	User stories, User interviews, Wireframing, Frontend development
Srujan Umesh Patwardhan	User stories, Documentation, Project planning and assigning tasks, Backend development
Jeevika S	User stories, User interviews, Backend diagrams, Backend development
Jyoti Sharma	User stories, Wireframing, Testing, Scheduling, AI development
Saksham Sirohi	Project Management, User stories, Designing high and low fidelity prototypes, Documentation, Scheduling
Devendra Kumar	Project Management, User stories, Storyboard, Wireframe Feedback, AI development
Ashish Al Rashid	User stories, Designing high and low fidelity prototypes, Frontend development, Backend (interface with frontend)

The above roles and responsibilities were assigned taking into account each team member's availability, capability, and unique strengths to ensure a balanced workload.

According to the project milestones, individual roles and responsibilities and the timeline and complexity of the project, we broke down the project into 6 sprints of 1 week each.

Project Schedule

Sprint Schedule:

- **Sprint 1 (15th Oct - 21st Oct)**

Objective: Identify primary, secondary and tertiary users of the application, conduct interviews and formulate user stories

We successfully identified the primary, secondary and tertiary users of our HR Management application and formulated user stories based on user interviews. (Refer [milestone 1](#))

- **Sprint 2 (22nd Oct - 28th Oct)**

Objective: Develop low-fidelity prototypes of the system, a storyboard based on user requirements, and feedback on wireframes

We have also achieved this objective by using Figma to design low fidelity wireframes for our application pages, developing a storyboard based on requirements and getting feedback from experts on our wireframes. (Refer [milestone 2](#))

- **Sprint 3 (29 Oct - 4 Nov)**

Objective: Plan the entire project, divide it into sprints, assign relevant user stories to sprints, assign tasks to relevant team members, design high fidelity prototypes, develop class and ER diagrams for backend development, develop most of the pages in the frontend.

We have split the entire project into 6 sprints, and are going to use JIRA for project planning and task management. We have designed high fidelity prototypes of the system, developed class and ER diagrams for the system <<insert link>> or <<diagrams>>, and developed most of the pages in the frontend (elaborated below).

- **Sprint 4 (4 Nov - 11 Nov)**

Objective: Developing the API endpoints for the system, documenting the APIs in YAML format.

- **Sprint 5 (11 Nov - 18 Nov)**

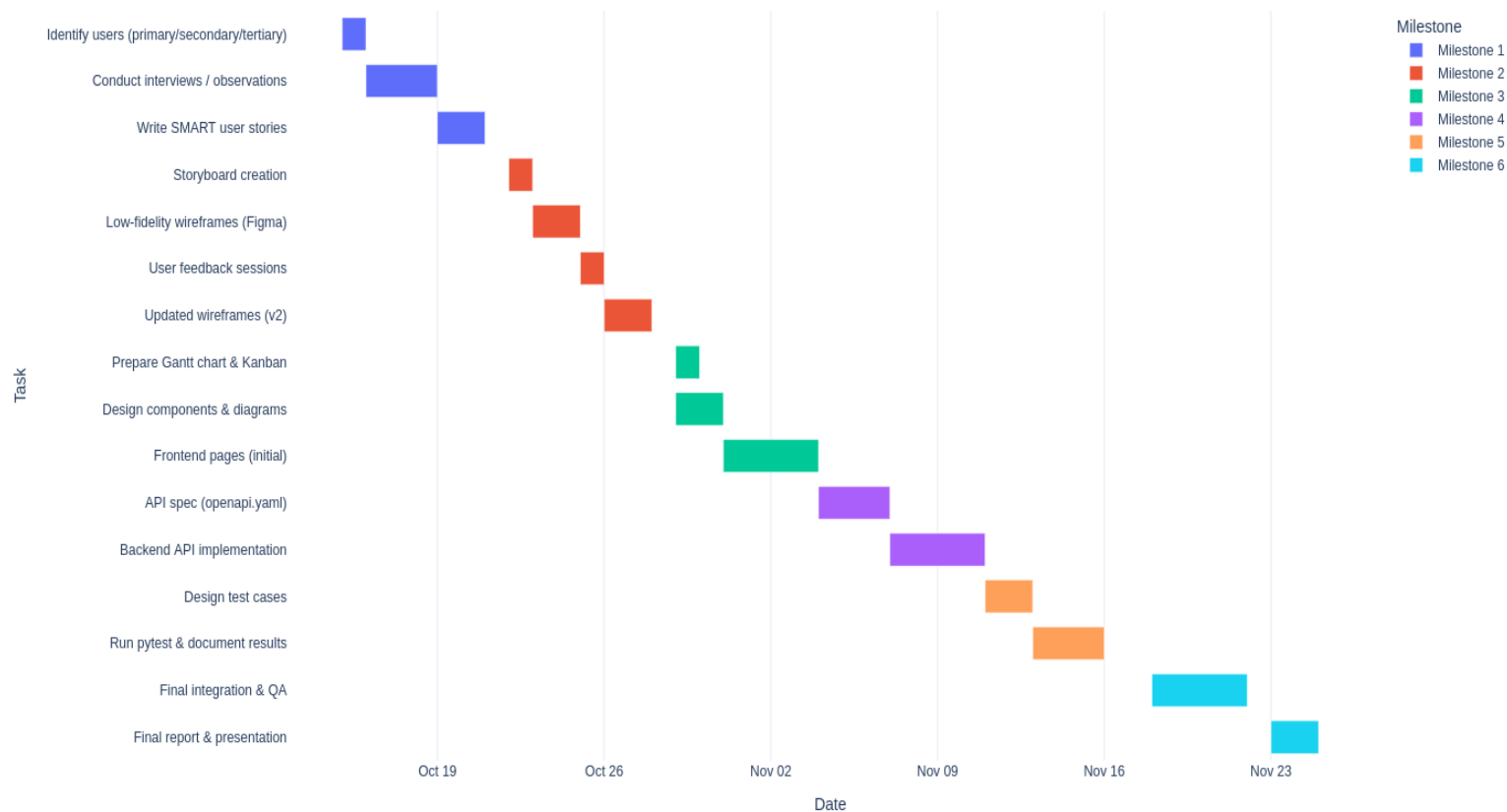
Objective: Test cases and extensive testing and documentation of the application

- **Sprint 6 (18 Nov - 25 Nov)**

Objective: Finishing remaining work and final submission

Gantt Chart:

Detailed Project Gantt Chart (7-Day Interval Timeline)



The above Gantt chart has been prepared keeping the project milestones in mind. We majorly tackle identifying users, requirements and formulating appropriate user stories in the first half of October month, and preparing storyboards, wireframes, and low fidelity prototypes in the second half of October.

From the last week of October to the first week of November, we majorly handle the frontend development part, along with proper scheduling and assigning of tasks. The backend development starts simultaneously from the first week of November till mid-November.

Testing and appropriate documentation will be handled from mid-November till November end, while preparing the final report and presentation and finishing all remaining tasks will also be wrapped up by November end.

Scrum Meetings

Below is a summary of the scrum meetings conducted for the project, formatted for clarity and alignment with standard software engineering documentation practices:

Scrum Meeting Schedule: We decided to have a meeting every Monday and Thursday

Meeting 1: 27/10/2025

Proposed to build the frontend using Vue 3. Requirement for responsive UI, reusable components, and role-based access. Agreed on role-based access for HR, Applicant, and Organization modules. Discussed the entire codebase structure and assigned roles for each person. Jira was used for creating sprints for the same and assigning work.

Meeting 2: 30/10/2025

Discussed about the current progress on the initial website design and potential improvements. Finalized DashboardLayout, NavBar, and Sidebar as shared components across roles. Confirmed completion of sprint-wise tasks. HR module prioritized first: HR Dashboard, Candidate Management, Job Creation. Organization module planned next: Org Profile, HR Management, Settings. Applicant module design to follow a cleaner, minimal theme.

Meeting 3: 3/11/2025

Assessed the current status of the project, HR Components were completed 90% with some improvements being needed. The organization part was 100% completed. Theme consistency corrections made; removed mismatched colors. The team decided that the applicant side has to be done on priority.

Project Scheduling Tools

Our team decided to use [JIRA](#), a popular project management software by Atlassian. This was due to the simple interface that JIRA provides, which will help us to effectively plan our project, assign tasks and monitor progress.

We divided our project into 6 sprints, which were aligned with the milestones as well as aligned with the appropriate user stories that we had formulated in Milestone 1.

JIRA Backlog view:

The backlog view gives an overview of items not currently in any sprint (backlog) and items assigned to particular sprints.

Jira

Search

Create

Premium trial

Ask Rovo

Spaces

Software Engineering Project Team 22

Summary

Backlog

Board

Code

Timeline

Pages

Forms

Search backlog

Filter

SCRUM Sprint 3

29 Oct – 4 Nov (3 work items)

400

Complete sprint

SCRUM-7

AI Resume Parsing and Ranking

AUTOMATED APPLIC...

TO DO

SCRUM-6

Application Dashboard

AUTOMATED APPLIC...

TO DO

SCRUM-3

Job-Specific Application Link

APPLICATION SUBM...

TO DO

Nov 5

4

Create

SCRUM Sprint 4

4 Nov – 11 Nov (6 work items)

300

Start sprint

SCRUM-22

Create Job Posting with Auto-Generated Link

JOB MANAGEMENT

TO DO

SCRUM-21

Post-Joining Status Update

AUTOMATED ONBOA...

TO DO

SCRUM-20

Engagement Mails

AUTOMATED ONBOA...

TO DO

SCRUM-17

AI Chatbot for Offer Letter Refinement

AUTOMATED OFFER L...

TO DO

SCRUM-14

Schedule an Interview from the Application

AUTOMATED INTERV...

TO DO

SCRUM-4

Real-Time Application Status

APPLICATION SUBM...

TO DO

Nov 5

3

Create

SCRUM Sprint 5

11 Nov – 18 Nov (7 work items)

000

Start sprint

SCRUM-23

Automatic Status Transitions

JOB MANAGEMENT

TO DO

SCRUM-19

Automatic Joining Reminders

AUTOMATED ONBOA...

TO DO

SCRUM-29

Onboarding Checklist

ONBOARDING PROCE...

TO DO

SCRUM-28

Onboarding Process

ONBOARDING PROCE...

TO DO

SCRUM-16

Auto-Generated Offer Letters

AUTOMATED OFFER L...

TO DO

SCRUM-18

Final Offer Letter Send

AUTOMATED OFFER L...

TO DO

SCRUM-15

Automatic Interview Reminders

AUTOMATED INTERV...

TO DO

Create

7 of 7 work items visible | Estimate: 0 of 0

SCRUM Sprint 6

18 Nov – 25 Nov (4 work items)

000

Start sprint

SCRUM-27

Easy to use Software

EFFICIENCY

TO DO

SCRUM-26

Exit Interview

EFFICIENCY

TO DO

SCRUM-25

Personality Test

EFFICIENCY

TO DO

SCRUM-24

Instant Applicant Recommendation for New Job Roles

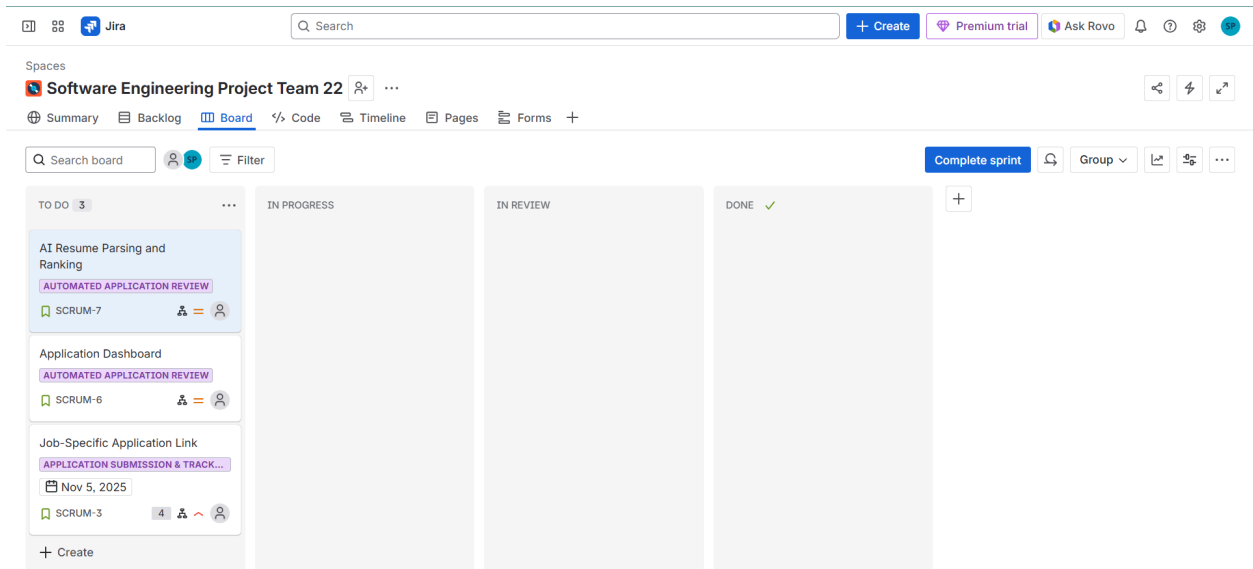
EFFICIENCY

TO DO

Create

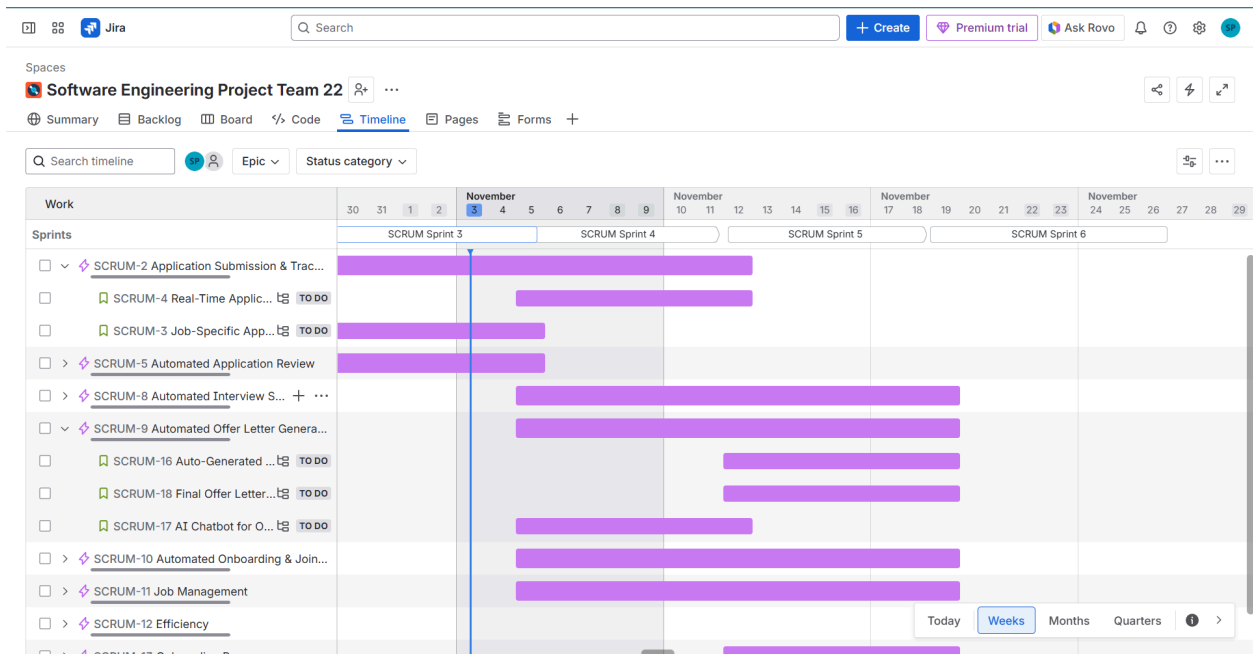
JIRA Board View:

The board view (Kanban style) lists all the user stories in the current sprint and helps everyone in the team manage and track the stories' status (To do, In progress, In review, Done).



JIRA Timeline View:

An epic is a collection of user stories. The JIRA timeline view allows you to visualize the epics, stories and tasks for your project in a timeline view, based on your sprints.



Tasks for a user story:

A user story is further divided into tasks, which can be assigned to different members of the team based on their roles.

The screenshot shows a Jira issue page for the title "AI Chatbot for Offer Letter Refinement". The issue is located within the "SCRUM-9" project. The description states: "As a recruiter, I want AI-generated offer and regret letters using editable templates and contextual personalization, so that candidate communication becomes error-free and automated within 24 hours of final decision, improving candidate satisfaction scores."

Under the "Subtasks" section, there is a progress bar at 0% Done and a table listing four subtasks:

Work	Priority	Assi...	Status
SCRUM-61 Frontend: Editable offer letter and templates	M...	TR	TO DO
SCRUM-62 Frontend: Page where list of previously used templates is listed	M...	SL	TO DO
SCRUM-63 Backend: Get relevant user details	M...	SP	TO DO
SCRUM-64 AI: Autofill information according to context and prompt	M...	OK	TO DO

On the right side, the "Details" panel shows the following information:

- Assignee: Unassigned (with a link "Assign to me")
- Priority: Medium
- Parent: SCRUM-9 Automated Offer Letter Gen
- Due date: None
- Labels: None
- Team: None
- Start date: None
- Sprint: SCRUM Sprint 4
- Story point estimate: None
- Reporter: Srujan Patwardhan

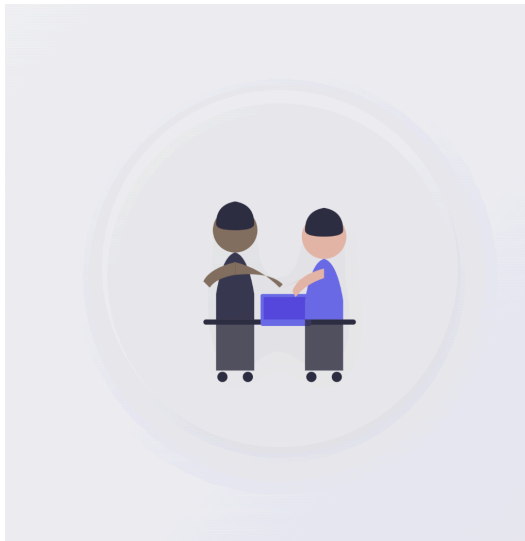
At the bottom right, there is an "Automation" section with a link to "Rule executions".

Frontend Designs

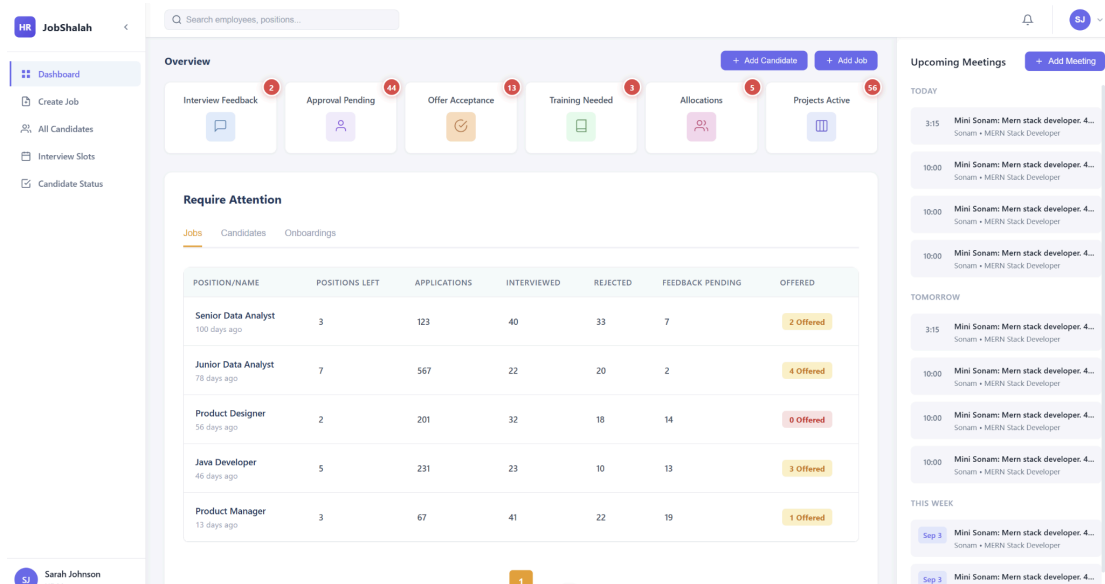
The design shows a "Sign In" page with a "Welcome back!!" message and a "Sign Up" button in the top right. The main heading is "Please Sign In". Below this are three tabs: "Candidate" (selected), "HR", and "Organization".

The "Candidate" tab contains the following fields and options:

- Email address: A text input field with the placeholder "candidate@example.com".
- Password: A password input field with a toggle for visibility.
- Remember me: A checkbox.
- I forgot my password: A link.
- Sign In: A large blue button.
- Quick Login (Frontend Dev): A section with three buttons: "Candidate" (blue), "HR" (green), and "Admin" (orange).



Sign-In Page - Login screen with tabs for Candidate/HR/Organization roles, offering email/password authentication and quick login options for development.



HR Overview Dashboard - High-level metrics showing interview feedback, approval pending, offer acceptance, training needs, active projects, allocations, and upcoming meetings schedule.

The Job Opening Creation Form is a user interface for HR to create new job postings. It includes the following fields and options:

- Title:** A dropdown menu with 'Select option'.
- Level:** A dropdown menu with 'Select option'.
- Basic salary:** A text input field with 'Enter amount'.
- Experience:** A text input field with 'Enter Experience in Years'.
- Required Skills (Min. 3):** A dropdown menu with 'Select option'.
- Additional Skills:** A dropdown menu with 'Select option'.
- Additional Context for AI:** A text area with 'Add more content related to JD that may help in hiring'.
- Job Description:** A section with two options: 'Upload PDF' (selected) and 'Google Drive Link'.
- File Upload:** A button labeled 'Choose file' and a text input field with 'No file chosen'.
- Create Button:** A blue button labeled 'Create'.

Job Opening Creation Form - Interface for HR to create new job postings with fields for title, level, salary, experience, skills, and job description upload options.

HR

JobShalah

Dashboard

Create Job

All Candidates

Interview Slots

Candidate Status

👤

Sarah Johnson

👤

All Candidates

View, search for and add new staff

Quick search a Candidate

Q

Enter search word

10

Total number of Candidates

Filter by Role

All Roles

All Candidates

All Roles

Showing 12 per page

S/N	FIRST NAME	LAST NAME	GENDER	ROLE	AI MATCH SCORE	ACTION
01	Sandra	Williams	Female	Frontend Developer	85	View more
02	Abubakar	Ibrahim	Male	Backend Developer	92	View more
03	Ikechukwu	Ugbonna	Male	Full Stack Developer	78	View more
04	Joshua	Adewale	Male	DevOps Engineer	65	View more
05	Fatimah	Nazir	Female	Data Scientist	88	View more
06	Hauwa	Lateef	Female	UI/UX Designer	72	View more
07	Sandra	Williams	Female	Frontend Developer	81	View more
08	Sandra	Williams	Female	Backend Developer	68	View more

All Candidates List - Dashboard displaying 10 candidates with their names, roles, gender, and AI match scores, with filtering and pagination options.

HR

JobShalah

Dashboard

Create Job

All Candidates

Interview Slots

Candidate Status

👤

Sarah Johnson

Q

Search

Go Back

Candidates

Vishnu Divakaran

VD

Vishnu Divakaran

Interview

Schedule Interview

Edit

vishnu.divakaran@gmail.com

+91 6768652551

in

x

o

General

Evaluations

Experience

Education

Events

Documents

Messages

Candidate Files

Edit

My_resume.pdf

2d ago

Cover_Letter.pdf

2d ago

View All

Last Experience

Edit

Senior Data Analyst

Google (May 2021 - Present)

Responsible for:

- Data Exploration and Analysis: They perform exploratory data analysis to uncover insights, trends, and patterns in the data, often using statistical and visualization techniques.
- Data Cleaning and Preprocessing: Data analysts are responsible for cleaning and preparing raw renewable data to ensure its accuracy and reliability in analysis.

Current Status

Round

Technical

Assigned to

RM Raghav Menon

Interview Date

Jul 30, 2021

75

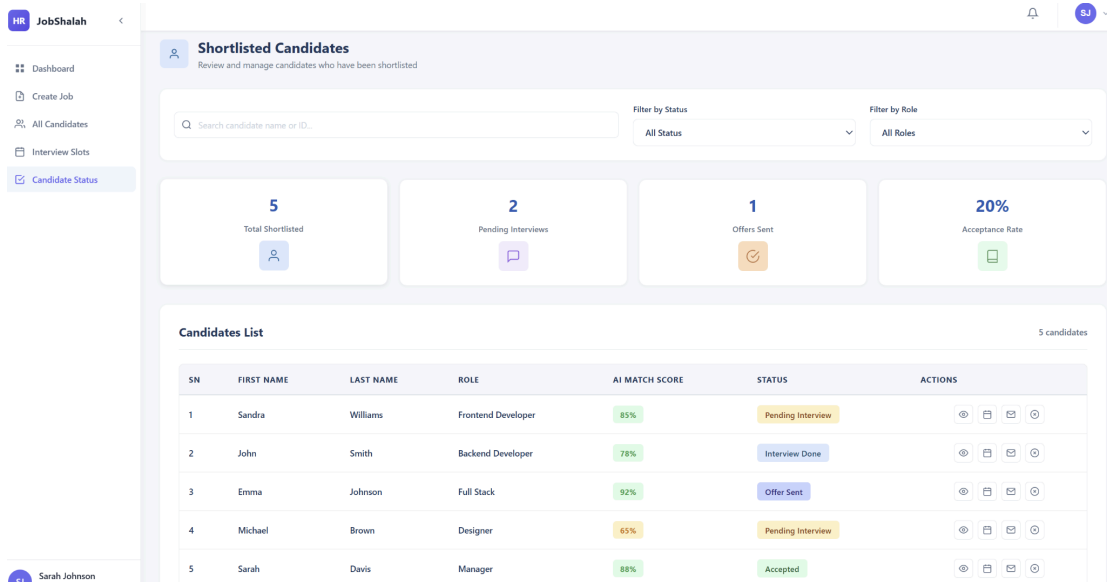
Potential Fit

Edit

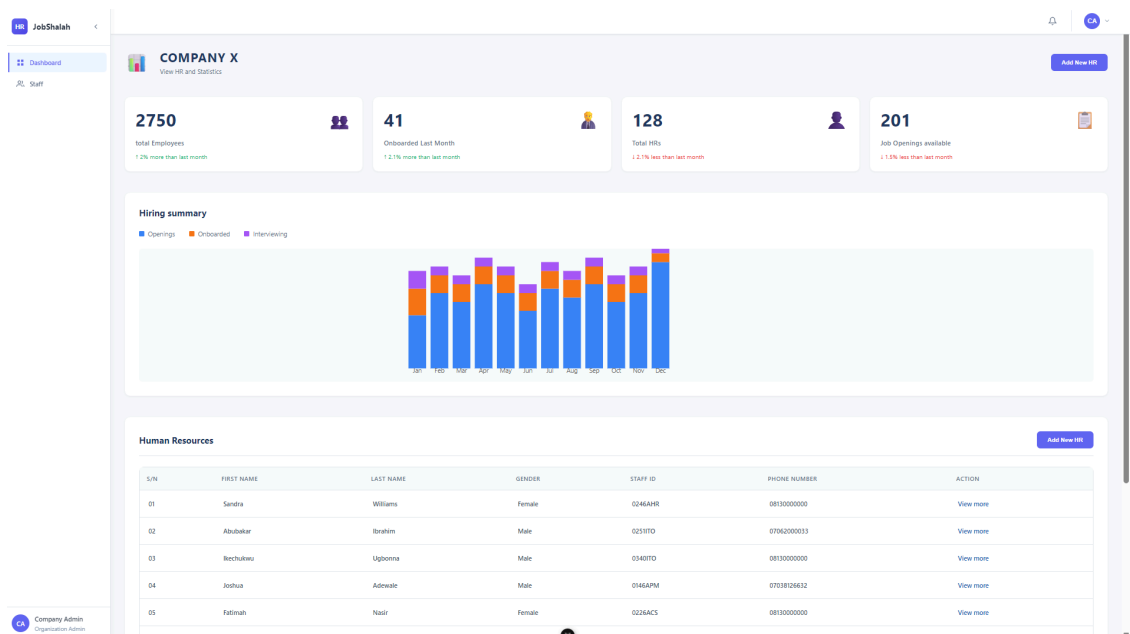
Qualifications and skills match

- ✓ Qualifications and skills match
- ✓ Experience Relevance
- ✓ Education
- ✗ Keywords Match

Candidate Profile Detail - Comprehensive view of candidate Vishnu Divakaran showing contact info, status, interview schedule, uploaded documents, experience, and 75% potential fit score.



Shortlisted Candidates Dashboard - Status overview showing 5 shortlisted candidates with metrics including 2 pending interviews, 1 offer sent, and 20% acceptance rate



Organization Dashboard - High-level metrics showing hiring stats, all HR in the department, and all staff.

JobShalah

Dashboard

Staff

COMPANY X

Manage Staff

12

Total Staff

All Departments

+ Add Staff

Q

Search by name, ID, email...

All Departments

Showing 12 per page

All Staff

S/N	EMPLOYEE ID	FIRST NAME	LAST NAME	DEPARTMENT	POSITION	EMAIL	PHONE	STATUS	ACTION
01	E001	John	Doe	HR	HR Manager	john@company.com	9876543210	Active	Edit Delete Details
02	E002	Jane	Smith	IT	Senior Developer	jane@company.com	9876543211	Active	Edit Delete Details
03	E003	Mike	Johnson	Finance	Accountant	mike@company.com	9876543212	Active	Edit Delete Details
04	E004	Sarah	Williams	Operations	Operations Lead	sarah@company.com	9876543213	Active	Edit Delete Details
05	E005	David	Brown	IT	QA Engineer	david@company.com	9876543214	Inactive	Edit Delete Details
06	E006	Emma	Davis	Marketing	Marketing Manager	emma@company.com	9876543215	Active	Edit Delete Details
07	E007	Robert	Miller	HR	Recruiter	robert@company.com	9876543216	Active	Edit Delete Details
08	E008	Lisa	Anderson	Finance	Financial Analyst	lisa@company.com	9876543217	Active	Edit Delete Details
09	E009	James	Taylor	IT	DevOps Engineer	james@company.com	9876543218	Active	Edit Delete Details
10	E010	Rachel	Martinez	Operations	Coordinator	rachel@company.com	9876543219	Active	Edit Delete Details
11	E011	Thomas	Garcia	Marketing	Content Writer	thomas@company.com	9876543220	Active	Edit Delete Details
12	E012	Jennifer	Rodriguez	Finance	CFO	jennifer@company.com	9876543221	Active	Edit Delete Details

Company Admin

Organization Admin

Staff Page For Organisation - List of all staff and a CRUD-enabled table from where the organisation can review each staff HR member's information.

HR

JobShalah

Dashboard

My Profile

Job Postings

My Applications

Welcome back, John Doe!

Here's your job application summary

Browse Jobs

Total Applications

3

Shortlisted

1

Interviews

2

Offers Received

0

Recent Applications

View All

GO

Senior Frontend Developer

Google

Oct 25, 2025

Shortlisted

View

MI

Full Stack Developer

Microsoft

Oct 20, 2025

Interview Scheduled

View

AM

Backend Developer

Amazon

Oct 18, 2025

Applied

View

Upcoming Interviews

View All

Nov 8

10:00 AM

Senior Frontend Developer

Google

Interview Scheduled

Application Status

Applied

1

Shortlisted

1

Interview

1

Offer

0

Rejected

0

Quick Links

View Profile

Browse Jobs

My Applications

John Doe

Candidate

Candidate Dashboard - High-level metrics showing recent applications, Application Status, Upcoming Interviews, and Quick Links.

HR

JobShalah

Dashboard

My Profile

Job Postings

My Applications

JD

John Doe

Candidate

My Profile

JD

Upload Photo

JPG, PNG • Max 2MB

Professional Summary

Bio/Summary

Passionate software developer with expertise in frontend development and web technologies.

90/500

Personal Information

First Name

John

Last Name

Doe

Email Address

john.doe@gmail.com

Phone Number

+91 9876543210

Date of Birth

15-05-1998

Gender

Skills

React

Vue.js

JavaScript

HTML/CSS

Tailwind CSS

Experience

Job Title

Frontend Developer

Company

Tech Company

Start Date

01-06-2022

End Date

31-12-2024

Description

JD

John Doe

Candidate

Candidate's Profile - This page is dedicated to setting up the Candidate's own profile and storing information about themselves that they want to share with organizations.

HR

JobShalah

Dashboard

My Profile

Job Postings

My Applications

JD

John Doe

Candidate

All Opportunities

View all Related Jobs

18

Total Related Jobs

Quick search a memo

Enter search word

Filter Jobs

All Jobs

Search

All Jobs

Showing 18 per page

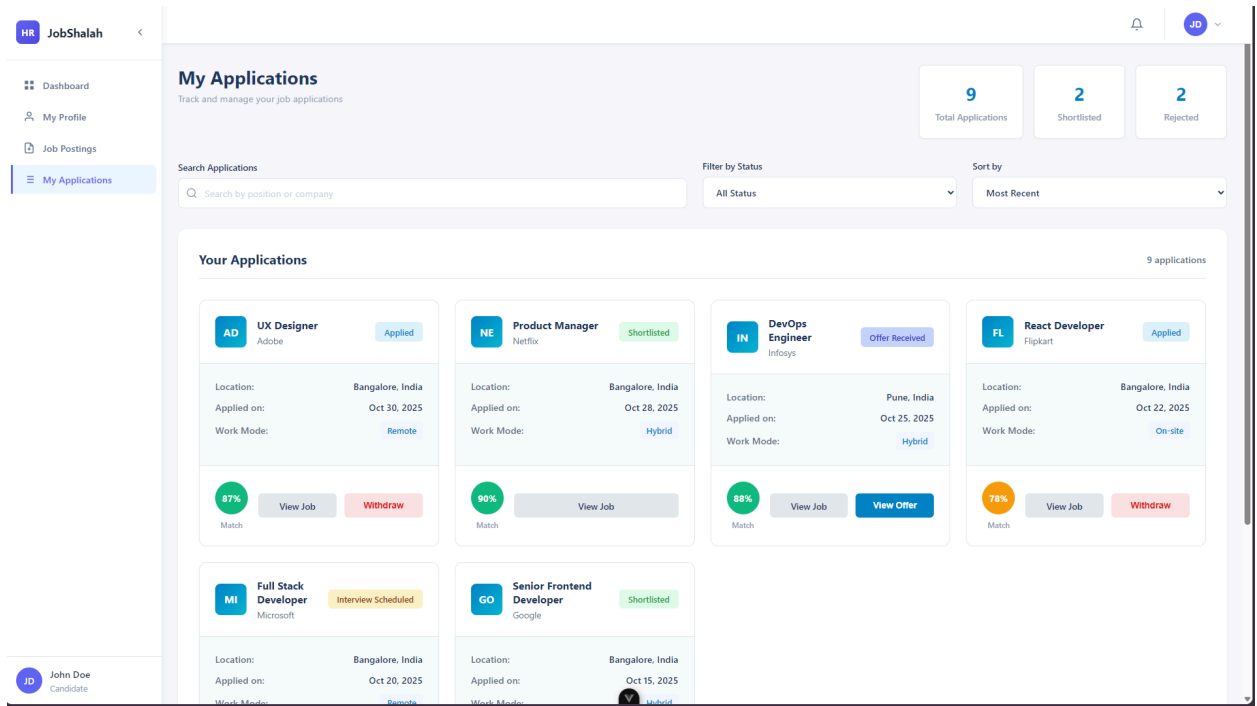
S/N	POSITION	COMPANY	LOCATION	WORK MODE	SKILLS MATCHED	ACTION
01	Software Developer 1	Google	Chennai	Hybrid	12/14	View more
02	Software Developer 1	Williams Achegbani	Chennai	Hybrid	12/14	View more
03	Software Developer 1	Microsoft Corp.	Chennai	Hybrid	12/14	View more
04	Software Developer 1	Microsoft Corp.	Chennai	Hybrid	12/14	View more
05	Software Developer 1	Williams Achegbani	Chennai	Hybrid	12/14	View more
06	Software Developer 1	Williams Achegbani	Chennai	Hybrid	12/14	View more
07	Software Developer 1	Google	Chennai	Hybrid	12/14	View more
08	Data Analyst	Williams Achegbani	Chennai	Hybrid	12/14	View more
09	Data Analyst	Microsoft Corp.	Chennai	Hybrid	12/14	View more

JD

John Doe

Candidate

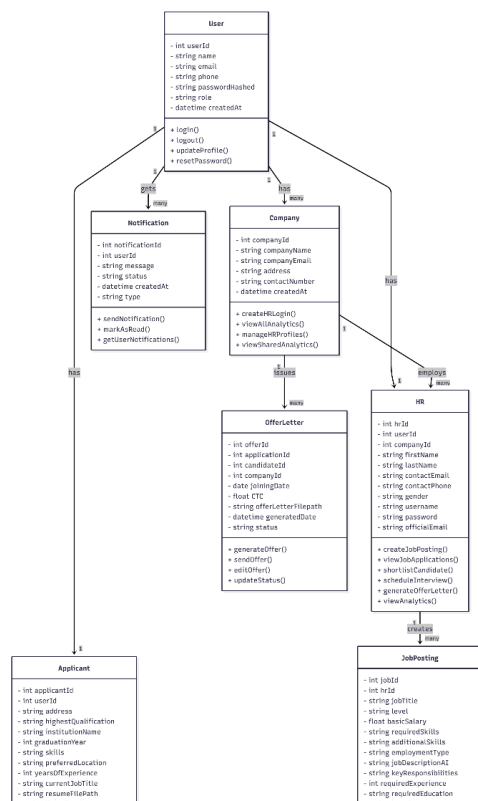
All Opportunities - Here, Candidates can get notified about all new Job Postings.



My Application - Here Candidates can review their all applications that they have applied for and their status.

Class and ER diagrams

Class Diagram:



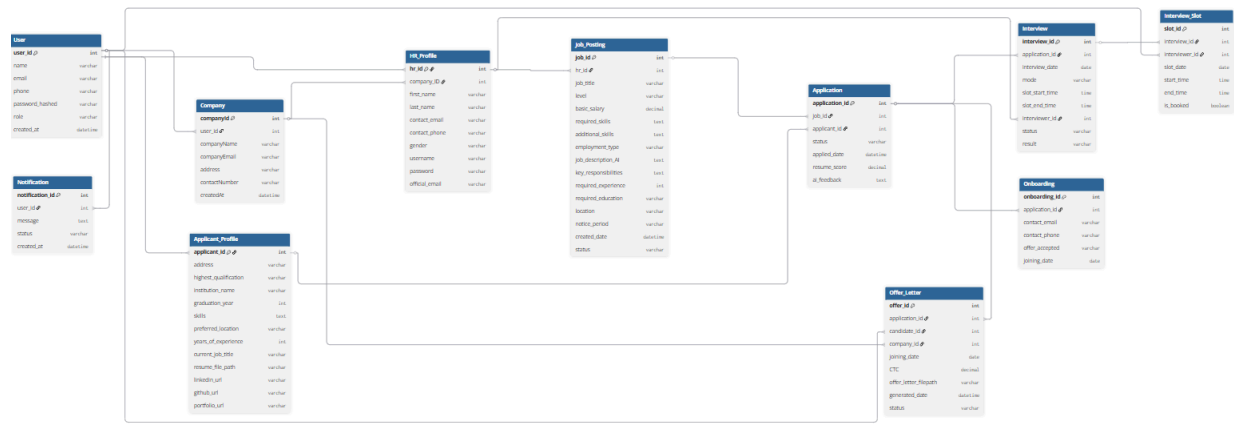
The class diagram shows the different components and classes present in the system along with the relationships between them.

The methods and attributes of each class along with their scopes have also been depicted.

For a better view, visit this [link](#).

ER Diagram:

The system centralizes user information (**User** and **Notification**) and extends it via role-specific profiles for applicants (**Applicant_Profile**) and recruiters (**HR_Profile**). Recruiters associated with a **Company** can post jobs through the **Job_Posting** entity, which applicants respond to via **Application** records. Each application can progress through **Interview** and **Interview_Slot** scheduling, leading to an **Offer_Letter** upon successful evaluation, and ultimately **Onboarding** for finalized hires. The schema enforces data integrity through foreign keys that mirror real-world relationships, ensuring a seamless and traceable workflow across all recruitment stages.



For a better view, visit this [link](#).