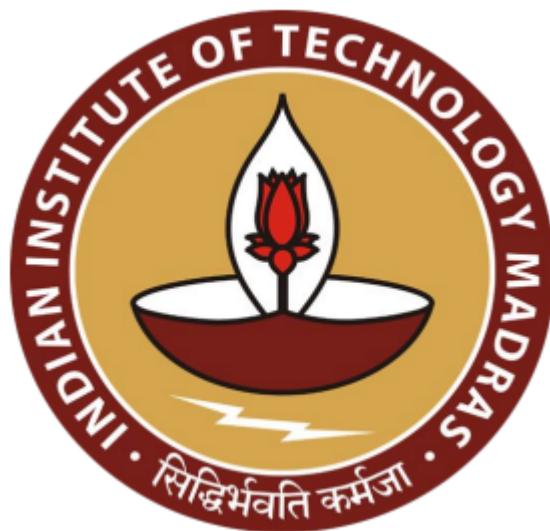


# Milestone 3

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)**

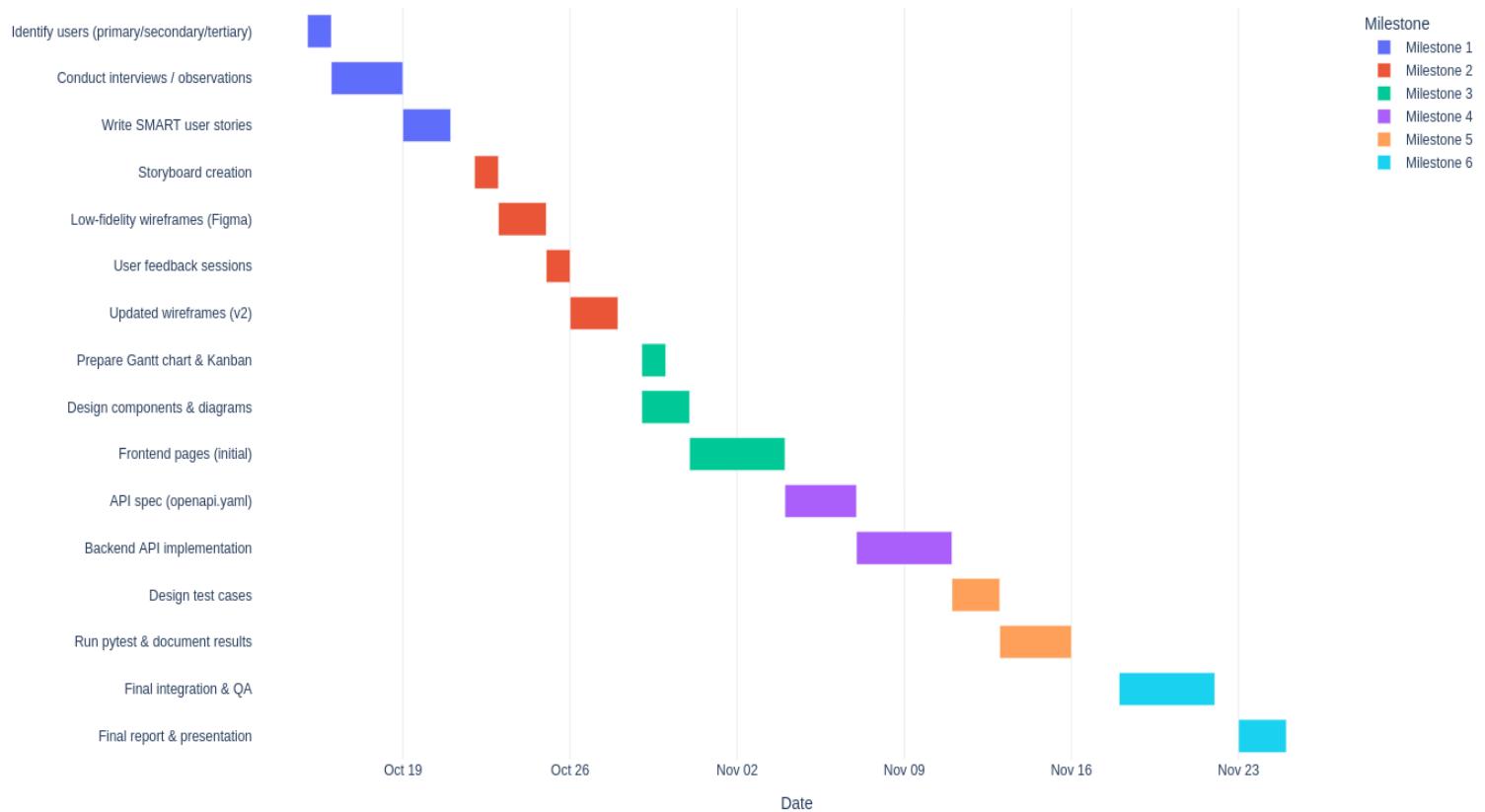
**Objective: Test cases and extensive testing and documentation of the application**

- **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.

The screenshot shows the JIRA Backlog view for two sprints:

- SCRUM Sprint 3 (29 Oct - 4 Nov):** Contains 3 work items. One item is in progress (AUTOMATED APPLICANT TO DO) and two are done (AUTOMATED APPLICATION TO DO, APPLICATION SUBMISSION TO DO).
- SCRUM Sprint 4 (4 Nov - 11 Nov):** Contains 6 work items. All are currently in progress (JOB MANAGEMENT TO DO, AUTOMATED ONBOARDING TO DO, AUTOMATED ONBOARDING TO DO, AUTOMATED OFFER LETTER TO DO, AUTOMATED INTERVIEW TO DO, APPLICATION SUBMISSION TO DO).

Buttons at the top include: Premium trial, Ask Rovo, and various filters.

The screenshot shows the JIRA Backlog view for two sprints:

- SCRUM Sprint 5 (11 Nov - 18 Nov):** Contains 7 work items. All are currently in progress (JOB MANAGEMENT TO DO, AUTOMATED ONBOARDING TO DO, ONBOARDING PROCESS TO DO, ONBOARDING PROCESS TO DO, AUTOMATED OFFER LETTER TO DO, AUTOMATED OFFER LETTER TO DO, AUTOMATED INTERVIEW TO DO).
- SCRUM Sprint 6 (18 Nov - 25 Nov):** Contains 4 work items. All are currently in progress (EFFICIENCY TO DO, EFFICIENCY TO DO, EFFICIENCY TO DO, EFFICIENCY TO DO).

Buttons at the top include: Premium trial, Ask Rovo, and various filters.

## 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).

The screenshot shows a Jira Board view for the "Software Engineering Project Team 22" space. The board has four columns: "TO DO", "IN PROGRESS", "IN REVIEW", and "DONE". Each column contains several user stories, each with a title, a "Status category" label, and a creation date. The "TO DO" column has stories for "AI Resume Parsing and Ranking", "Application Dashboard", and "Job-Specific Application Link". The "IN PROGRESS" column has stories for "SCRUM-7", "SCRUM-6", and "SCRUM-3". The "IN REVIEW" and "DONE" columns are currently empty.

## 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.

The screenshot shows a Jira Timeline view for the "Software Engineering Project Team 22" space. The timeline spans from November 3 to November 29, divided into six sprints: SCRUM Sprint 3, SCRUM Sprint 4, SCRUM Sprint 5, SCRUM Sprint 6, SCRUM Sprint 7, and SCRUM Sprint 8. The chart displays various user stories as purple bars, grouped under epics. The sidebar on the left shows a tree view of epics and tasks, with some tasks expanded to show their details. The bottom right corner of the timeline view includes navigation buttons for "Today", "Weeks", "Months", and "Quarters".

## 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.

Spaces / Software Engineering... / SCRUM-9 / SCRUM-17

Epic - Change epic

### AI Chatbot for Offer Letter Refinement

+ ○

**Description**

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.

**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...	SP	TO DO
SCRUM-63 Backend: Get relevant user details	M...	SP	TO DO
SCRUM-64 AI: Autofill information according to context and prompt	M...	DK	TO DO

0% Done

**Linked work items**

Add linked work item

**Confluence content**

...

To Do

Improve Story

**Details**

Assignee: Unassigned

Priority: Medium

Parent: SCRUM-9 Automated Offer Letter Gen

Due date: None

Labels: None

Team: None

Start date: None

Sprint: SCRUM Sprint 4

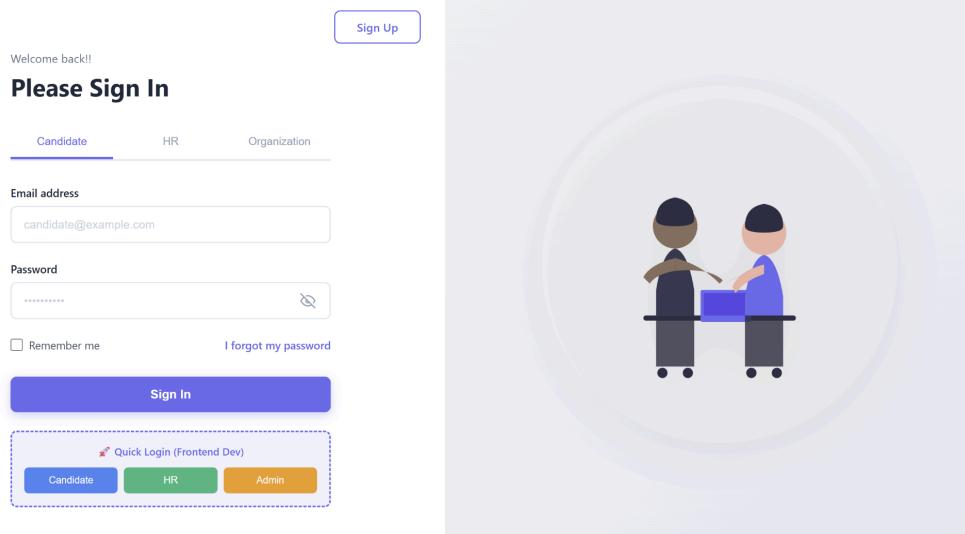
Story point estimate: None

Development

Reporter: Srujan Patwardhan

Automation Rule executions

## Frontend Designs



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

The screenshot displays the HR Overview Dashboard. On the left, a sidebar menu includes 'Dashboard', 'Create Job', 'All Candidates', 'Interview Slots', and 'Candidate Status'. The main area features an 'Overview' section with six cards: Interview Feedback (2), Approval Pending (44), Offer Acceptance (13), Training Needed (3), Allocations (5), and Projects Active (56). Below this is a 'Require Attention' section with tabs for 'Jobs', 'Candidates', and 'Onboardings'. The 'Jobs' tab shows a table of current openings:

POSITION/NAME	POSITIONS LEFT	APPLICATIONS	INTERVIEWED	REJECTED	FEEDBACK PENDING	OFFERED
Senior Data Analyst 100 days ago	3	123	40	33	7	<span>2 Offered</span>
Junior Data Analyst 78 days ago	7	567	22	20	2	<span>4 Offered</span>
Product Designer 56 days ago	2	201	32	18	14	<span>0 Offered</span>
Java Developer 46 days ago	5	231	23	10	13	<span>3 Offered</span>
Product Manager 13 days ago	3	67	41	22	19	<span>1 Offered</span>

To the right, a 'Upcoming Meetings' section lists scheduled events for 'TODAY', 'TOMORROW', and 'THIS WEEK'.

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

The screenshot shows the 'Job Openings' creation form. The sidebar menu includes 'Dashboard', 'Create Job', 'All Candidates', 'Interview Slots', and 'Candidate Status'. The main form has a title 'Job Openings' and a subtitle 'Generate job opening for the company.' A back button is present. The 'Create Opening' section contains fields for 'Title' (dropdown), 'Level' (dropdown), 'Basic salary' (text input), 'Experience' (text input), 'Required Skills (Min. 3)' (dropdown), 'Additional Skills' (dropdown), 'Additional Context for AI' (text area), 'Job Description' (text area), and file upload options ('Upload PDF' or 'Google Drive Link'). A 'Create' button is at the bottom.

**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.

**All Candidates**

view, search for and add new staff

Quick search a Candidate

Enter search word

**10** Total number of Candidates

Filter by Role

All Roles

All Candidates

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

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

**Vishnu Divakaran**

vishnu.divakaran@gmail.com  
+91 6768652351

[Schedule Interview](#) [Edit](#)

**Current Status**

Profiled  
Technical  
Assigned to  
**Raghav Menon**  
Interview Date  
Jul 30, 2021

**Potential Fit** 75

**Candidate Files**

- My.resume.pdf (2d ago)
- Cover.Letter.pdf (2d ago)

[View All](#)

**Last Experience**

**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 visualisation techniques.
- Data Cleaning and Preprocessing: Data analysts are responsible for cleaning and preparing raw renewable data to ensure its accuracy and reliability in analysis.

**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.

The dashboard shows a summary of shortlisted candidates. Key metrics displayed are:

- Total Shortlisted: 5
- Pending Interviews: 2
- Offers Sent: 1
- Acceptance Rate: 20%

**Candidates List**

SN	FIRST NAME	LAST NAME	ROLE	AI MATCH SCORE	STATUS	ACTIONS
1	Sandra	Williams	Frontend Developer	85%	Pending Interview	<span>View</span> <span>Print</span> <span>Email</span> <span>Copy</span>
2	John	Smith	Backend Developer	78%	Interview Done	<span>View</span> <span>Print</span> <span>Email</span> <span>Copy</span>
3	Emma	Johnson	Full Stack	92%	Offer Sent	<span>View</span> <span>Print</span> <span>Email</span> <span>Copy</span>
4	Michael	Brown	Designer	65%	Pending Interview	<span>View</span> <span>Print</span> <span>Email</span> <span>Copy</span>
5	Sarah	Davis	Manager	88%	Accepted	<span>View</span> <span>Print</span> <span>Email</span> <span>Copy</span>

**User Profile:** Sarah Johnson

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

The dashboard provides high-level hiring statistics for Company X.

**Hiring Summary:**

- Total Employees: 2750 (1% more than last month)
- Onboarded Last Month: 41 (1.1% more than last month)
- Total HRs: 128 (1.1% less than last month)
- Job Openings available: 201 (1.1% less than last month)

**Hiring Summary Chart:**

Stacked bar chart showing monthly hiring activity from Jan to Dec. Legend: Blue = Openings, Orange = Onboarded, Purple = Interviewing.

**Human Resources:**

S/N	FIRST NAME	LAST NAME	GENDER	STAFF ID	PHONE NUMBER	ACTION
01	Sandra	Williams	Female	0246AHR	0813000000	<span>View more</span>
02	Abubakar	Ibrahim	Male	0251ITO	0706200033	<span>View more</span>
03	Brechukwu	Ugochukwu	Male	0340ITD	0813000000	<span>View more</span>
04	Joshua	Adewale	Male	0146APM	0703812632	<span>View more</span>
05	Fatimah	Nadir	Female	0226ACS	0813000000	<span>View more</span>

**User Profile:** Company Admin

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

**COMPANY X**  
Manage Staff

Search by name, ID, email.

12 Total Staff All Departments + Add Staff

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

Company Admin Organisation 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.

Welcome back, John Doe! 🌟  
Here's your job application summary

Browse Jobs

Total Applications 3 Shortlisted 1 Interviews 2 Offers Received 0

Recent Applications

- 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

- Nov 8 10:00 AM Senior Frontend Developer Google

Application Status

Status	Count
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.

The screenshot shows the 'My Profile' section of the JobShalah platform. At the top, there is a placeholder for a profile picture with the letters 'JD'. Below it is a button to 'Upload Photo' and a note that supports 'JPG, PNG + Max 5MB'. The 'Personal Information' section contains fields for First Name ('John'), Last Name ('Doe'), Email Address ('john.doe@gmail.com'), Phone Number ('+91 9876543210'), Date of Birth ('15-05-1998'), and Gender (''). The 'Professional Summary' section contains a bio: 'Passionate software developer with expertise in frontend development and web technologies.' The 'Skills' section lists 'React', 'Vue.js', 'JavaScript', 'HTML/CSS', and 'Tailwind CSS'. The 'Experience' section shows a job entry for 'Frontend Developer' at 'Tech Company' from '01-06-2022' to '31-12-2024'. A sidebar on the left shows navigation links: Dashboard, My Profile (selected), Job Postings, and My Applications. A user icon 'JD' and the name 'John Doe Candidate' are at the bottom.

**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.

The screenshot shows the 'All Opportunities' section of the JobShalah platform. It features a search bar with 'Enter search word' and a filter dropdown set to 'All Jobs'. A summary box on the right indicates '18 Total Related Jobs'. The main table, titled 'All Jobs', lists 16 job postings. The columns include S/N, POSITION, COMPANY, LOCATION, WORK MODE, SKILLS MATCHED, and ACTION (with a 'View more' link). The data from the table is as follows:

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

A sidebar on the left shows navigation links: Dashboard, My Profile, Job Postings (selected), and My Applications. A user icon 'JD' and the name 'John Doe Candidate' are at the bottom.

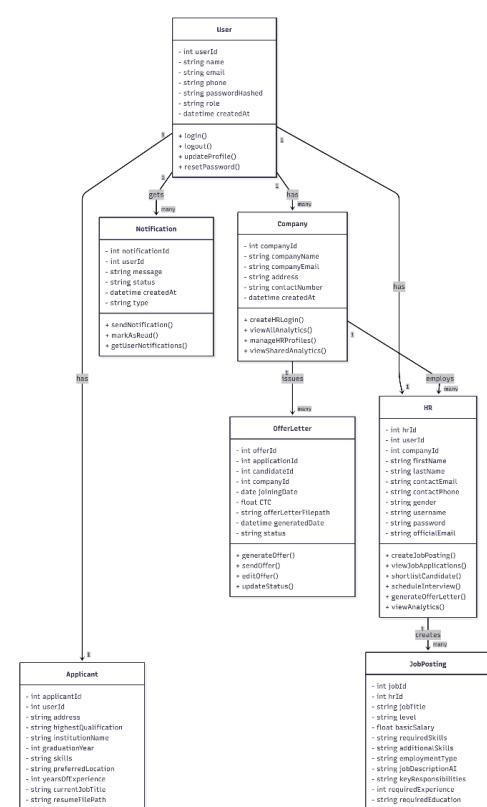
**All Opportunities** - Here, Candidates can get notified about all new Job Postings.

The screenshot shows the 'My Applications' section of the JobShaloh platform. At the top, there are three summary boxes: 'Total Applications' (9), 'Shortlisted' (2), and 'Rejected' (2). Below this is a search bar and filters for 'Status' (All Status) and 'Sort by' (Most Recent). The main area displays a grid of application cards. Each card includes the company logo, position, company name, status, location, applied on, work mode, and a progress bar indicating the match percentage. Buttons for 'View Job' and 'Withdraw' are also present. A sidebar on the left shows navigation links: Dashboard, My Profile, Job Postings, and My Applications (selected). A user profile for 'John Doe Candidate' is shown at the bottom.

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

## Class and ER diagrams

### Class Diagram:



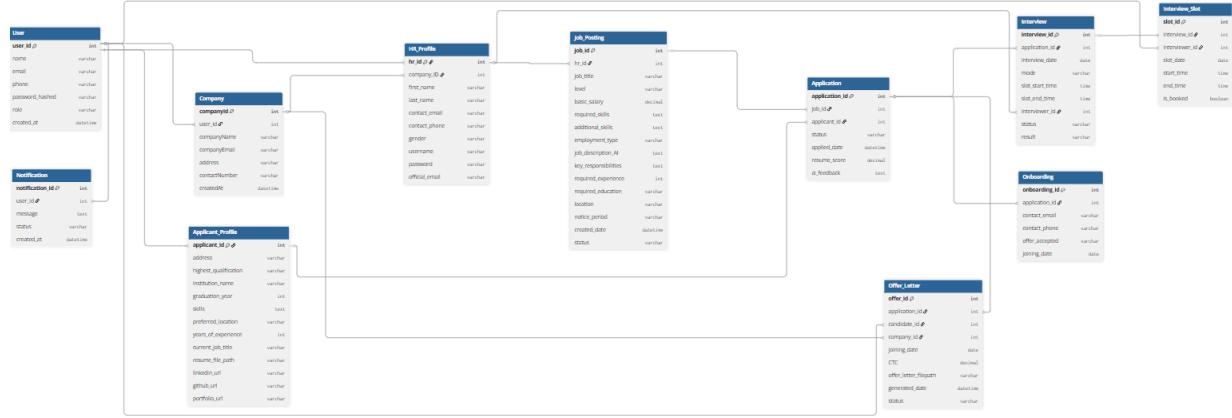
The class diagram shows the different components and classes present in the system along with the relationships between them.

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](#).