



University
of Windsor

School of Computer Science

COMP8967-1-R-2024S - Internship Project 1 – Summer 2024

University of Windsor

Group - 26

Team Members

Student Name	Student ID
Hayden Cordeiro	110128867
Saravanan Chandrasekaran	110126645
Jivin Varghese Porthukaran	110128868
Sundhar Kaleeswaran	110127970
Sundar Rathinavel	110124742
Rakul Vimala Manokaran	110125902

Project Management Report: Requirement

I. The goal for the past sprints/iterations since the last report. (0-25)

LLM chatbot and cover letter generation based on Job description:

Lead Chatbot: Developed a chatbot that will contextualise with current users data and the lead's data. There will be a button next to each lead that opens the chatbot and automatically initiates the chat with the lead's recent interaction with the users.

Job Description Analysis: When the user clicks on the lead chrome extension on any one of the job descriptions. It will automatically open the application and load the chatbot. We can ask queries like which of my contacts can help me with this job and any of my friends working in the given company.

Generating Cover Letter: After the user clicks on the job description and identifies the appropriate lead who can help with the given job description then he/she can automatically generate the cover letter which is completely tailored to the user's resume and job description. We are using the state of the art OpenAI LLM models to generate the cover letter.

Generating Cover Letters Seamlessly:

Scraping Job Descriptions: Ensuring that job descriptions could be accurately scraped from LinkedIn pages using the extension.

Data Transmission: Encoding and compressing the scraped data to be sent via URI to the backend without any issues.

Cover Letter Generation: Implementing a button within the extension to seamlessly send the job description data to the application for generating a well-crafted cover letter

II. What product backlog items are contributed toward the sprint/iteration goal along with (0-25)? User stories should be written as the given template: As a < type of user >, I want < some goal > so that < some reason >. (0-50)

Sprint number	ID	Task name	User story	Assignee
3	LEAD-65	Scrape JD from linkedin using chrome extension	As a user I need want easy access the the job description that I am viewing without putting any manual effort so that i can generate a well crafted cover letter	HAYDEN CORDEIRO
3	LEAD-66	Encode Data and share via uri enabling add chat	As a developer i need to ensure the data (job description) is correctly transmitted to the backed without any issues so that the cover letter will be generated correctly	HAYDEN CORDEIRO
3	LEAD-67	Implement Generate Cover Letter Button in chrome extension	As a user i need to generate a cover letter with minimal effort, so that is why i need a button which will directly send the job description to the application so that I can	HAYDEN CORDEIRO

			easily generate a cover letter for this role	
4	LEAD-68	Disable chrome extension on other sides	As a user I want the extension to be disabled so that I do not accidentally open the extension causing errors	HAYDEN CORDEIRO
4	LEAD-23	Lead Chatbot Integration	<p>Develop a chatbot that integrates with the current user's data and the lead's data.</p> <p>Implement a button next to each lead that opens the chatbot and initiates a conversation based on the lead's recent interactions with the user.</p>	SARAVANAN CHANDRASEKARAN
4	LEAD-60	Prompt Based Message (Backend + Frontend)	Add prompts in the LLM side to generate the cover letter and also to contextualize the users resume and the job description.	SARAVANAN CHANDRASEKARAN

4	LEAD-22	LLM part: Chrome Extension for Job Description Analysis	Developing the API to send the data scraped from the Chrome extension, when clicked on a job description, triggers the application to load the chatbot for analyzing the job description and identifying helpful contacts.	SARAVANAN CHANDRASEKARAN
4	LEAD-69	Backend Endpoint for Downloading Cover Letter	Implement a backend endpoint (/download_cover_letter) that allows users to download the generated cover letter.	SARAVANAN CHANDRASEKARAN
4	LEAD-70	Backend Endpoint for Generating Cover Letter	Develop a backend endpoint (/generate_coverletter) that uses OpenAI LLM models to generate cover letters based on the user's resume and job description.	SARAVANAN CHANDRASEKARAN
4	LEAD-71	Integration of OpenAI API for Cover letter and user notes	Integrate the OpenAI API for the cover letter and the user notes data with the backend to enable the generation of responses for the	SARAVANAN CHANDRASEKARAN

			chatbot and cover letters.	
4	LEAD-72	User Table Alteration for user_resume_content	As a developer I need to Make Changes to MySQL database for user tables so that altering the columns ensuring integrity of existing data by default values	JIVIN VARGHESE PORTHUKARAN
4	LEAD-73	Front End Registration Flow Changes for User_resume_content	As a user I need to add my resume content so that i can use it with chatbot for context	JIVIN VARGHESE PORTHUKARAN
4	LEAD-74	Backend Registration for user models and routes for Resume.	As a developer I need to Integrated backend registration flow changes in api endpoints for and model changes so that to ensure resume content field addition	JIVIN VARGHESE PORTHUKARAN
4	LEAD-75	Front End Changes for Edit profile flow For User Resume	As a user I need to user edit profile page for adding or editing user resume content.	JIVIN VARGHESE PORTHUKARAN

4	LEAD-76	Backend Changes for edit profile for user resume updation	As a developer I need to naked Backend Changes for edit profile endpoints and so that existing feature integrity is ensured.	JIVIN VARGHESE PORTHUKARAN
3	LEAD-77	Implement Subscription Model in the Front End	As a User I should be able to able to select the suitable subscription	SUNDAR RATHINAVEL
3	LEAD-78	BE: Email push notifications to remind users on sending a message	As a user I need reminder notifications to send messages to my connections	SUNDAR RATHINAVEL
3	LEAD-62	Contextual search	As a user, I should be able to filter out a profile based on my needs	RAKUL VIMALA MANOKARAN
LEAD-8 1	Front End Changes	Improve the existing main table user interface and removing unused	As a user, I want to have responsive user interface in the overall product	RAKUL VIMALA MANOKARAN

		components and enhance		
4	LEAD-59	Notes (Store data backend + integration with frontend)	As a developer I want to summarize the contents of note to be stored in db and retrieve it back to display it in UI.	SUNDHAR KALEESWARAN
5	LEAD-61	Reminders (based on time set) (Backend + frontend)	As a user I want to keep track of all the reminders and events about to occur in advance.	SUNDHAR KALEESWARAN

III. Tasks for each user story. (0-25)

Story ID	Task name	Task elaboration	Assignee
LEAD-65	Scrape JD from linkedin using chrome extension	Identify locators of job description on the page. Scrape the data. Create a formatted object.	HAYDEN CORDEIRO

LEAD-66	Encode Data and share via uri enabling add chat	Take the formatted object Compress data to reduce data transfer Encode the data to share in the URI	HAYDEN CORDEIRO
LEAD-67	Implement Generate Cover Letter Button in chrome extension	Integrate the compressed object that is uri encoded into the frontend Send the uri encoded data and redirect the user to the website	HAYDEN CORDEIRO
LEAD-68	Disable chrome extension on other sides	As a user I want the extension to be disabled so that I do not accidentally open the extension causing errors	HAYDEN CORDEIRO
LEAD-23	Lead Chatbot Integration	Use the zindex and chatbot ui to develop a chatbot Pass the current user's data and the lead's data. Implement a button next to each lead that opens the chatbot initiates a conversation based on the lead's recent interactions with the user.	SARAVANAN CHANDRASEKARAN

LEAD-60	Prompt Based Message (Backend + Frontend)	<p>Add prompts in the OPEN AI api side to generate the cover letter</p> <p>Pass the users resume stored in the DB and also contextualize the users resume and the job description.</p>	SARAVANAN CHANDRASEKARAN
LEAD-22	LLM part: Chrome Extension for Job Description Analysis	<p>Take the URI encoded data and decode it.</p> <p>Check if the query value in the URL bar has the proper job description data.</p> <p>Pass the decoded data to the API.</p>	SARAVANAN CHANDRASEKARAN
LEAD-69	Backend Endpoint for Downloading Cover Letter	<p>Create a static word directory in the backend code to store the coverletter.</p> <p>Upon generating the cover letter store it in that folder.</p> <p>In the endpoint make sure to pass the cover letter uuid.</p> <p>Based on the UUID get the file and serve it to the UI as a downloadable word document.</p>	SARAVANAN CHANDRASEKARAN
LEAD-70	Backend Endpoint for Generating Cover Letter	<p>Endpoint (/generate_coverletter) that uses OpenAI LLM API</p> <p>Generate cover letters based on the user's resume and job description.</p>	SARAVANAN CHANDRASEKARAN

LEAD-71	Integration of OpenAI API for Cover letter and user notes	<p>Integrate the OpenAI API for the cover letter and the user notes</p> <p>Send the data with the backend to enable the generation of responses for the chatbot and cover letters.</p>	SARAVANAN CHANDRASEKARAN
LEAD-72	User Table Alteration for user_resume_content	Make Changes to MySQL database for user tables altering the columns ensuring integrity of existing data by default values.	JIVIN VARGHESE PORTHUKARAN
LEAD-73	Front End Registration Flow Changes for User_resume_content	Create Step 5 ui page in registration component flow for adding user resume content	JIVIN VARGHESE PORTHUKARAN
LEAD-74	Backend Registration for user models and routes for Resume.	Integrated backend registration flow changes in api endpoints for and model changes to ensure resume content field addition	JIVIN VARGHESE PORTHUKARAN
LEAD-75	Front End Changes for Edit profile flow For User Resume	Front end changes for logged in user edit profile page UI to for adding or editing user resume content	JIVIN VARGHESE PORTHUKARAN

LEAD-76	Backend Changes for edit profile for user resume updation	Backend Changes for edit profile endpoints and ensuring existing feature integrity	JIVIN VARGHESE PORTHUKARAN
LEAD-77	Implement Subscription Model in the Front End	Create a user interface for the user to select their subscription based on their feature requirements	SUNDAR RATHINAVEL
LEAD-78	BE: Email push notifications to remind users on sending a message	Send reminder notifications to the users based on the how frequently they wanted to be in touch with their connections	SUNDAR RATHINAVEL
LEAD-79	Integrate the subscription Model with the Backend	Backend Changes for the user profile (storing the current subscription details with other information)	SUNDAR RATHINAVEL
LEAD-80	Contextualise the chatbot text messages	To generate personalised text messages in the chat bot with LLM Model (with the information fetched from the linkedin profile)	SUNDAR RATHINAVEL

LEAD-62	Contextual Search	To provide profile specific info and get the most perfectly matching profile for communication with LLM model (gathering text info and feeding that into LLM model)	RAKUL VIMALA MANOKARAN
LEAD-81	Front End Changes	Improve the existing main table user interface and removing unused components and enhance	RAKUL VIMALA MANOKARAN
LEAD-59	Backend integration of notes with database and User Interface.	Design a backend API call to hit the database to store all the personlaized note details of a user. Also it can be fetched realtime and viewed for further customization.	SUNDHAR KALEESWARAN
LEAD-61	Remainder alert and scheduling notifications.	Construct a remainder system that helps user to get notified prior to each event that is about to occur. Based on scheduling timeframe this notifications are useful for managing tasks.	SUNDHAR KALEESWARAN

IV. Estimated value of story points/velocity. (0-25)

Sprint number	ID	Task name	User story	Assignee	Story Point
3	LEAD-65	Scrape JD from linkedin using chrome extension	As a user I need want easy access the the job description that I am viewing without putting any manual effort so that i can generate a well crafted cover letter	HAYDEN CORDEIRO	1
3	LEAD-66	Encode Data and share via uri enabling add chat	As a developer i need to ensure the data (job description) is correctly transmitted to the backed without any issues so that the cover letter will be generated correctly	HAYDEN CORDEIRO	1

3	LEAD-67	Implement Generate Cover Letter Button in chrome extension	As a user i need to generate a cover letter with minimal effort, so that is why i need a button which will directly send the job description to the application so that I can easily generate a cover letter for this role	HAYDEN CORDEIRO	1
4	LEAD-68	Disable chrome extension on other sides	As a user I want the extension to be disabled so that I do not accidentally open the extension causing errors	HAYDEN CORDEIRO	1
4	LEAD-23	Lead Chatbot Integration	<p>Develop a chatbot that integrates with the current user's data and the lead's data.</p> <p>Implement a button next to each lead that opens the chatbot and initiates a conversation based on the</p>	SARAVANAN CHANDRASEKARAN	0.75

			lead's recent interactions with the user.		
4	LEAD-60	Prompt Based Message (Backend + Frontend)	Add prompts in the LLM side to generate the cover letter and also to contextualise the users resume and the job description.	SARAVANAN CHANDRASEKARAN	0.62
4	LEAD-22	LLM part: Chrome Extension for Job Description Analysis	Developing the API to send the data scraped from the Chrome extension, when clicked on a job description, triggers the application to load the chatbot for analyzing the job description and identifying helpful contacts.	SARAVANAN CHANDRASEKARAN	0.87

4	LEAD-69	Backend Endpoint for Downloading Cover Letter	Implement a backend endpoint (/download_cover_letter) that allows users to download the generated cover letter.	SARAVANAN CHANDRASEKARAN	1.25
4	LEAD-70	Backend Endpoint for Generating Cover Letter	Develop a backend endpoint (/generate_cover_letter) that uses OpenAI LLM models to generate cover letters based on the user's resume and job description.	SARAVANAN CHANDRASEKARAN	1.25
4	LEAD-71	Integration of OpenAI API for Cover letter and user notes	Integrate the OpenAI API for the cover letter and the user notes data with the backend to enable the generation of responses for the chatbot and cover letters.	SARAVANAN CHANDRASEKARAN	1

4	LEAD-72	User Table Alteration for user_resume_content	As a developer I need to Make Changes to MySQL database for user tables so that altering the columns ensuring integrity of existing data by default values	JIVIN VARGHESE PORTHUKARAN	0.75
4	LEAD-73	Front End Registration Flow Changes for User_resume_content	As a user I need to add my resume content so that i can use it with chatbot for context	JIVIN VARGHESE PORTHUKARAN	1
4	LEAD-74	Backend Registration for user models and routes for Resume.	As a developer I need to Integrated backend registration flow changes in api endpoints for and model changes so that to ensure resume content field addition	JIVIN VARGHESE PORTHUKARAN	1

4	LEAD-75	Front End Changes for Edit profile flow For User Resume	As a user I need to user edit profile page for adding or editing user resume content.	JIVIN VARGHESE PORTHUKARAN	0.75
4	LEAD-76	Backend Changes for edit profile for user resume updation	As a developer I need to naked Backend Changes for edit profile endpoints and so that existing feature integrity is ensured.	JIVIN VARGHESE PORTHUKARAN	0.5
3	LEAD-77	Implement Subscription Model in the Front End	Create a user interface for the user to select their subscription based on their feature requirements	SUNDAR RATHINAVEL	1
3	LEAD-78	BE: Email push notifications to remind users on sending a message	Send reminder notifications to the users based on the how frequently they wanted to be in touch with their connections	SUNDAR RATHINAVEL	1

4	LEAD-79	Integrate the subscription Model with the Backend	Backend Changes for the user profile (storing the current subscription details with other information)	SUNDAR RATHINAVEL	1
4	LEAD-80	Contextualise the chatbot text messages	To generate personalised text messages in the chat bot with LLM Model (with the information fetched from the linkedin profile)	SUNDAR RATHINAVEL	1
3	LEAD-62	Contextual Search	To provide profile specific info and get the most perfectly matching profile for communication with LLM model (gathering text info and feeding that into LLM model)	RAKUL VIMALA MANOKARAN	2

4	LEAD-81	Front End Changes	Improve the existing main table user interface and removing unused components	RAKUL VIMALA MANOKARAN	2
3	LEAD-59	Notes (Store data backend + integration with frontend)	As a developer I want to summarize the contents of note to be stored in db and retrieve it back to display it in UI.	SUNDHAR KALEESWARAN	2
4	LEAD-61	Reminders (based on time set) (Backend + frontend)	As a user I want to keep track of all the remainders and events about to occur in advance.	SUNDHAR KALEESWARAN	2

V Identified Risks and mitigation plan. (0-25)

Risk Name	Risk Description	Risk Type	Possible Controls	Metrics to Track
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URI Data Limit	The amount of data that can be sent via URI is limited, potentially causing data loss or corruption.	Technical	Use POST requests instead of GET for sending larger data payloads. Split data into multiple URIs if necessary and recombine on the frontend.	Average size of data sent via URI. Frequency of data exceeding URI limits.
Job Description Data Quality Issues	Extracted job descriptions might contain unnecessary characters or formatting issues, affecting CV generation.	Quality	Develop and apply data cleaning routines.	User feedback on generated CV accuracy.
Locator Change	Changes to the CSS selector used for extracting job descriptions could break the extraction functionality, leading to failure in data retrieval.	Technical	Create a fallback mechanism to handle locator changes gracefully.	Success rate of job description extractions.
Contextualizing the Open AI LLM	Creating a proper LLM prompt to generate the Cover letter	Technical and Quality	After multiple trial and error, managed to come up with a perfect GPT prompt to	Quality of the cover letter being generated

			generate a cover letter.	
Data Integrity	Making alteration in database can cause direct impact on existing data	Technical	Ensuring taking care of all edge cases.	Ensuring Data data integrity is 100% before and after the change
Frontend Changes	Making changes to existing ui can cause UI to break	Quality	Understanding existing UI implementation before making changes	Quality of UI is preserved after changes

VI. How does the team divide the tasks among members? (0-10)

Saravanan Chandrasekaran:

Primary Role: Focuses on the backend development of the LLM Chatbot and Open AI integration and frontend development using React for the chatbot

Additional Role: Additionally hosted the mysql DB in remote server and also in the deployment of the code to the server.

Hayden Cordeiro:

Primary Role: Focuses on the development of the chrome extension and frontend development using React

Additional Role: Additionally assist in development the backend and deciding features whenever required

Jivin Varghese:

Primary Role : Focus on backend development related all tables ensuring integrity of database and backend api..

Additional Role : Additionally assists in backend and frontend integration of new additional changes is user flows and making changes in UI and as well as api endpoints.

Sundar Rathinavel:

Primary Role : Focus on backend development which includes (api endpoints creation, integrating back-end and front-end)

Additional Role : Also assists in frontend UI/UX design and implementation of chat bot

Rakul Vimala Manokaran:

Primary Role: Main Focus is on frontend and backend development, integrating API endpoints with front-end react components as needed.

Additional Role: Also assisted on the LLM part with search.

Sundhar Kaleeswaran:

Primary Role: Focusses on majore part of front end design and UI creation along with handling API call routing to database.

Additional Role: In addition have worked in developing and structuring of backend database models.

VII. The number of hours taken to complete each task. And Screenshots of your task management board. (0-25)

Sprint number	ID	Task name	User story	Assignee	Hours Spend
3	LEAD-65	Scrape JD from linkedin using chrome extension	As a user I need want easy access the the job description that I am viewing without putting any manual effort so that i can generate a well crafted cover letter	HAYDEN CORDEIRO	8
3	LEAD-66	Encode Data and share via uri enabling add chat	As a developer i need to ensure the data (job description) is correctly transmitted to the backed without any issues so that the cover letter will be generated correctly	HAYDEN CORDEIRO	8

3	LEAD-67	Implement Generate Cover Letter Button in chrome extension	As a user i need to generate a cover letter with minimal effort, so that is why i need a button which will directly send the job description to the application so that I can easily generate a cover letter for this role	HAYDEN CORDEIRO	8
4	LEAD-68	Disable chrome extension on other sides	As a user I want the extension to be disabled so that I do not accidentally open the extension causing errors	HAYDEN CORDEIRO	8
4	LEAD-23	Lead Chatbot Integration	<p>Develop a chatbot that integrates with the current user's data and the lead's data.</p> <p>Implement a button next to each lead that opens the</p>	SARAVANAN CHANDRASEKARAN	6

			chatbot and initiates a conversation based on the lead's recent interactions with the user.		
4	LEAD-60	Prompt Based Message (Backend + Frontend)	Add prompts in the LLM side to generate the cover letter and also to contextualize the users resume and the job description.	SARAVANAN CHANDRASEKARAN	5
4	LEAD-22	LLM part: Chrome Extension for Job Description Analysis	Developing the API to send the data scraped from the Chrome extension, when clicked on a job description, triggers the application to load the chatbot for analyzing the job description and identifying helpful contacts.	SARAVANAN CHANDRASEKARAN	7

4	LEAD-69	Backend Endpoint for Downloading Cover Letter	Implement a backend endpoint (/download_cover_letter) that allows users to download the generated cover letter.	SARAVANAN CHANDRASEKARAN	10
4	LEAD-70	Backend Endpoint for Generating Cover Letter	Develop a backend endpoint (/generate_coverletter) that uses OpenAI LLM models to generate cover letters based on the user's resume and job description.	SARAVANAN CHANDRASEKARAN	10
4	LEAD-71	Integration of OpenAI API for Cover letter and user notes	Integrate the OpenAI API for the cover letter and the user notes data with the backend to enable the generation of responses for the chatbot	SARAVANAN CHANDRASEKARAN	8

			and cover letters.		
4	LEAD-72	User Table Alteration for user_resume_content	As a developer I need to Make Changes to MySQL database for user tables so that altering the columns ensuring integrity of existing data by default values	JIVIN VARGHESE PORTHUKARAN	6
4	LEAD-73	Front End Registration Flow Changes for User_resume_content	As a user I need to add my resume content so that i can use it with chatbot for context	JIVIN VARGHESE PORTHUKARAN	8
4	LEAD-74	Backend Registration for user models and routes for Resume.	As a developer I need to Integrated backend registration flow changes in api endpoints for and model changes so that to ensure resume	JIVIN VARGHESE PORTHUKARAN	8

			content field addition		
4	LEAD-75	Front End Changes for Edit profile flow For User Resume	As a user I need to user edit profile page for adding or editing user resume content.	JIVIN VARGHESE PORTHUKARAN	6
4	LEAD-76	Backend Changes for edit profile for user resume updation	As a developer I need to naked Backend Changes for edit profile endpoints and so that existing feature integrity is ensured.	JIVIN VARGHESE PORTHUKARAN	4
3	LEAD-77	Implement Subscription Model in the Front End	As a User I should be able to able to select the suitable subscription	SUNDAR RATHINAVEL	8
3	LEAD-78	BE: Email push notifications to remind users on sending a message	As a user I need reminder notifications to send messages to	SUNDAR RATHINAVEL	8

			my connections		
4	LEAD-79	Integrate the subscription Model with the Backend	As a User I should be able to switch the subscription	SUNDAR RATHINAVEL	8
4	LEAD-80	Contextualise the chatbot text messages	To generate contextualise chatbot text messages	SUNDAR RATHINAVEL	8
3	LEAD-62	Contextual Search	To provide profile specific info and get the most perfectly matching profile for communicatio n with LLM model (gathering text info and feeding that into LLM model)	RAKUL VIMALA MANOKARAN	10

4	LEAD-81	Front End Changes	Improve the existing main table user interface and removing unused components	RAKUL VIMALA MANOKARAN	10
3	LEAD-59	Notes (Store data backend + integration with frontend)	Design a backend API call to hit the database to store all the personalised note details of a user. Also it can be fetched realtime and viewed for further customization.	SUNDHAR KALEESWARAN	10
4	LEAD-61	Reminders (based on time set) (Backend + frontend)	Construct a remainder system that helps user to get notified prior to each event that is about to occur. Based on scheduling timeframe this notifications are useful for managing tasks.	SUNDHAR KALEESWARAN	10

Screenshots of task Management Board

LeadConnect Software project

Projects / LeadConnect

LEAD board

Search: []

GROUP BY: None

TO DO 10	IN PROGRESS 2	DONE 10	BLOCKED
Notes (Store data backend + integration with frontend) LEAD-59 (SK)	Integration of OpenAI API for Cover letter and user notes LEAD-71 (SC)	LLM part: Chrome Extension for Job Description Analysis LEAD-22 (SC)	
Reminders (based on time set) (Backend + frontend) LEAD-61 (SK)	Integrate the subscription Model with the Backend LEAD-79 (S)	Lead Chatbot Integration LEAD-23 (SC)	
Contextual Search (Backend + frontend) LEAD-62 (RM)		Prompt Based Message (Backend + Frontend) LEAD-60 (SC)	
Disable chrome extension on other sides LEAD-68 (HC)		Scrape JD from linkedin using chrome extension LEAD-65 (HC)	

LeadConnect Software project

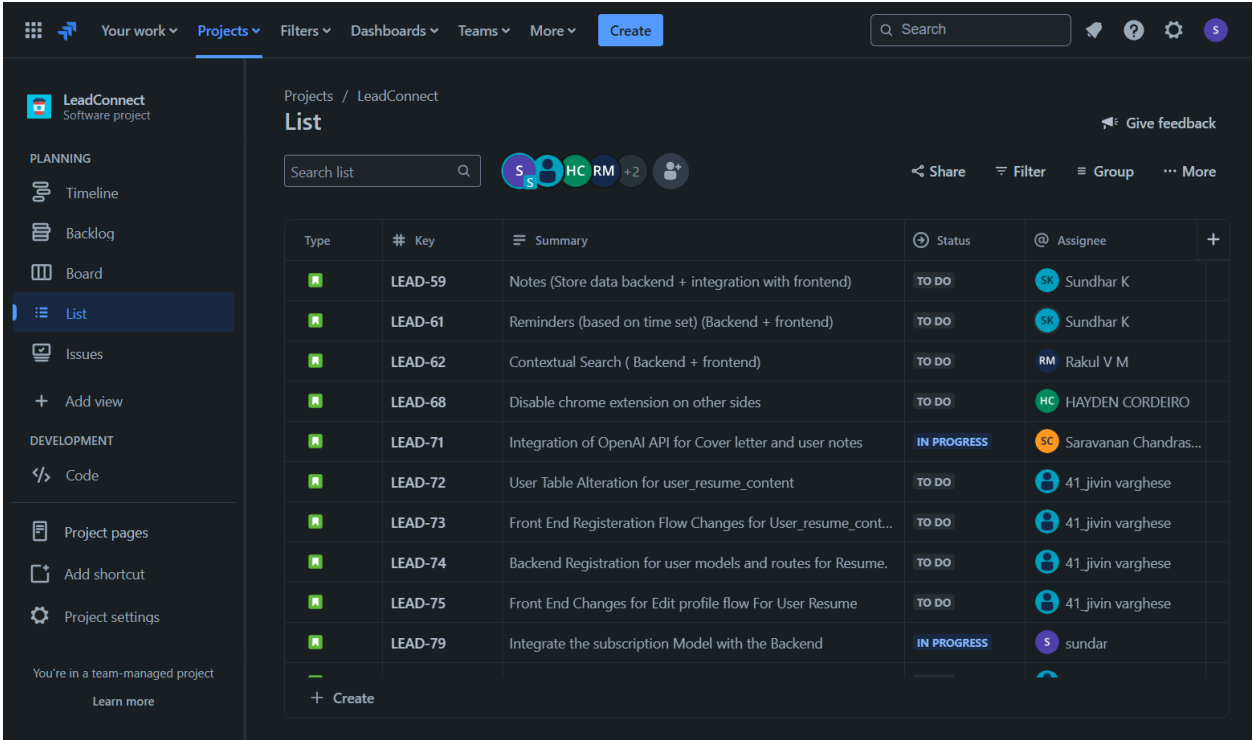
Projects / LeadConnect

Backlog

Search: []

Board (22 issues)

ID	Title	Status	Assignee
LEAD-22	LLM part: Chrome Extension for Job Description Analysis	DONE	SC
LEAD-23	Lead Chatbot Integration	DONE	SC
LEAD-59	Notes (Store data backend + integration with frontend)	TO DO	SK
LEAD-60	Prompt Based Message (Backend + Frontend)	DONE	SC
LEAD-65	Scrape JD from linkedin using chrome extension	DONE	HC
LEAD-61	Reminders (based on time set) (Backend + frontend)	TO DO	SK
LEAD-62	Contextual Search (Backend + frontend)	TO DO	RM
LEAD-66	Encode Data and share via uri enabling add chat	DONE	HC
LEAD-67	Implement Generate Cover Letter Button in chrome extension	DONE	HC
LEAD-68	Disable chrome extension on other sides	TO DO	HC
LEAD-69	Backend Endpoint for Downloading Cover Letter	DONE	SC
LEAD-70	Backend Endpoint for Generating Cover Letter	DONE	SC



VIII. Team Retrospective Table

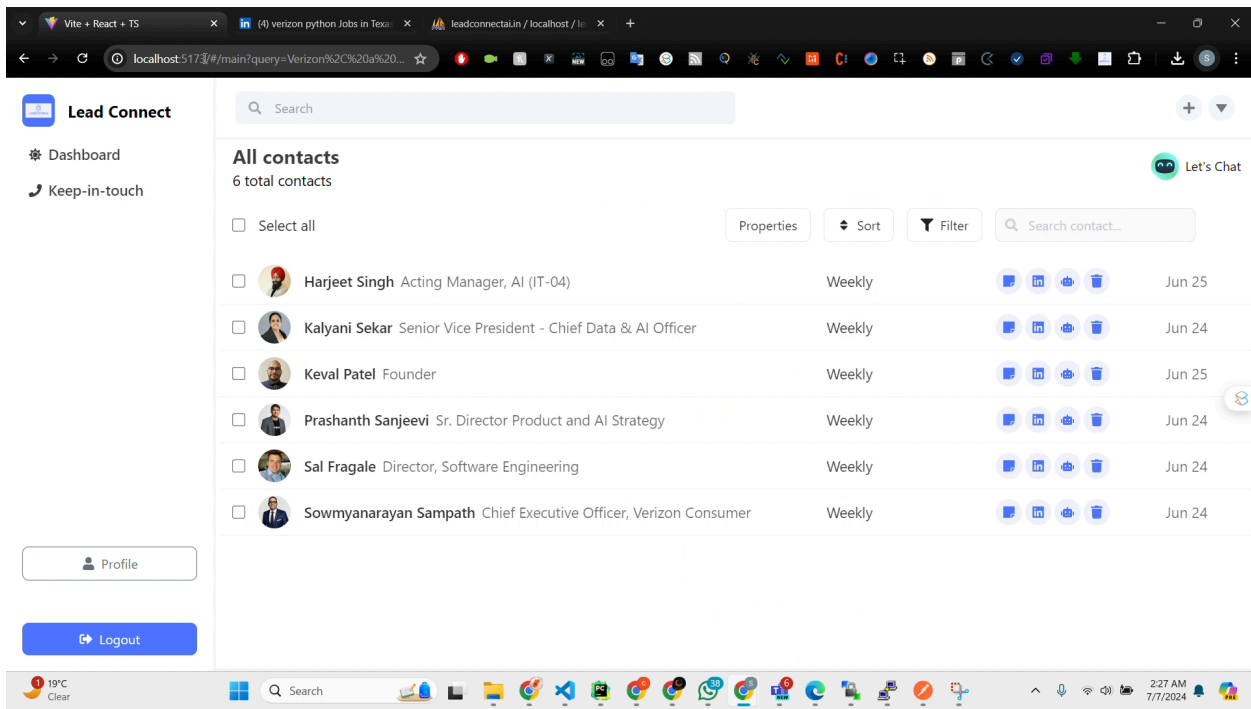
Team Member	What went well	What did not go well	Opportunities for improvement
Hayden Cordeiro	<p>Could complete developing the generate cv feature in the chrome extension on time.</p> <p>Successfully disabled extension when not on sites that we support</p>	<p>Extracting the job description took longer than expected.</p> <p>Hit with a limit of how much data can be sent via the uri which led to extra effort for cleaning and compression which was not initially planned for</p>	<p>Research and identify potential data size limitations early on in the process.</p> <p>Look into working on utilizing a more robust compression algorithm for the text to prevent issues with large job descriptions</p>

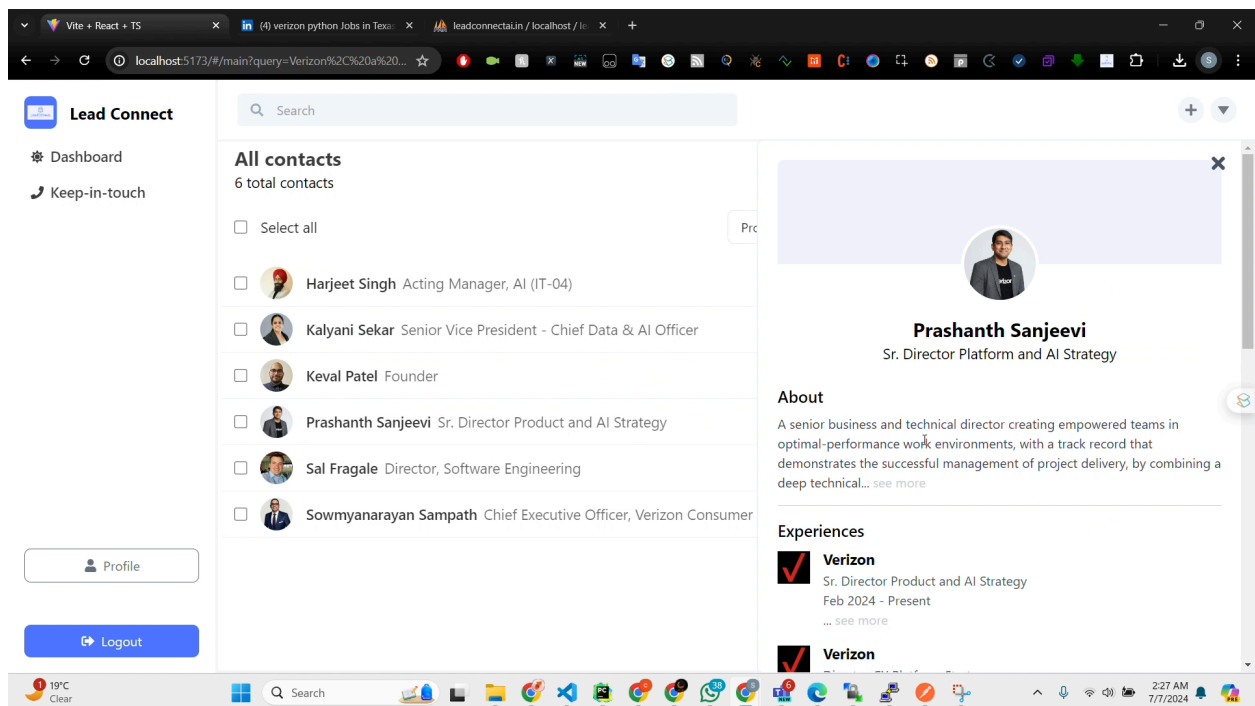
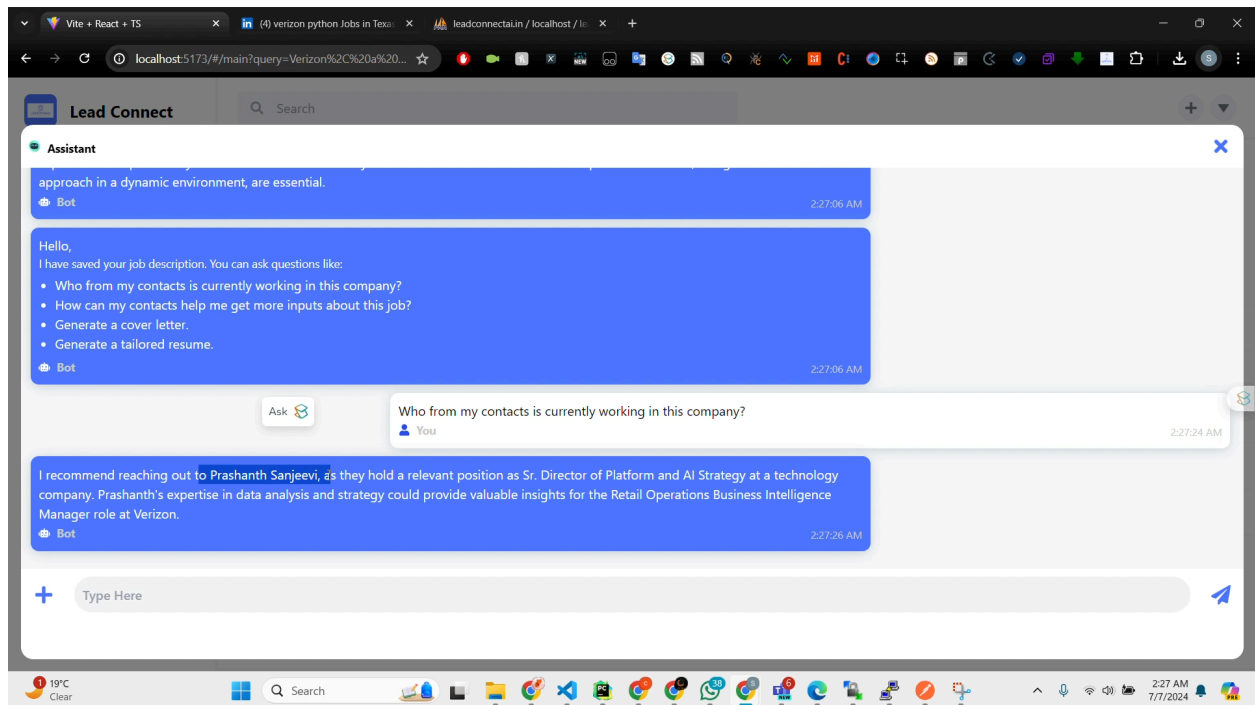
Saravanan Chandrasekaran	<p>Completed the LLM chatbot development and integration with the backend.</p> <p>Completed the generation of cover letter by decoding the data from the URL (Chrome Extensions).</p> <p>Downloading the coverletter that was generated using the job description and the users resume</p>	Fine tuning the LLM prompt and had a lot of trial and errors to come up with a perfect prompt which took an additional 1 story point than expected.	Research ways to handle the quality of the cover letter being generated by fine tuning the prompt.
Jivin Varghese Porthukaran	Completed resume upload feature in registration and in edit profile flow for frontend and backend both .	Had to spend more time on understanding the codebase for front end to make necessary adjustments as my primary role during the project duration is for backend development	Find ways optimize existing and if there are any bugs involved

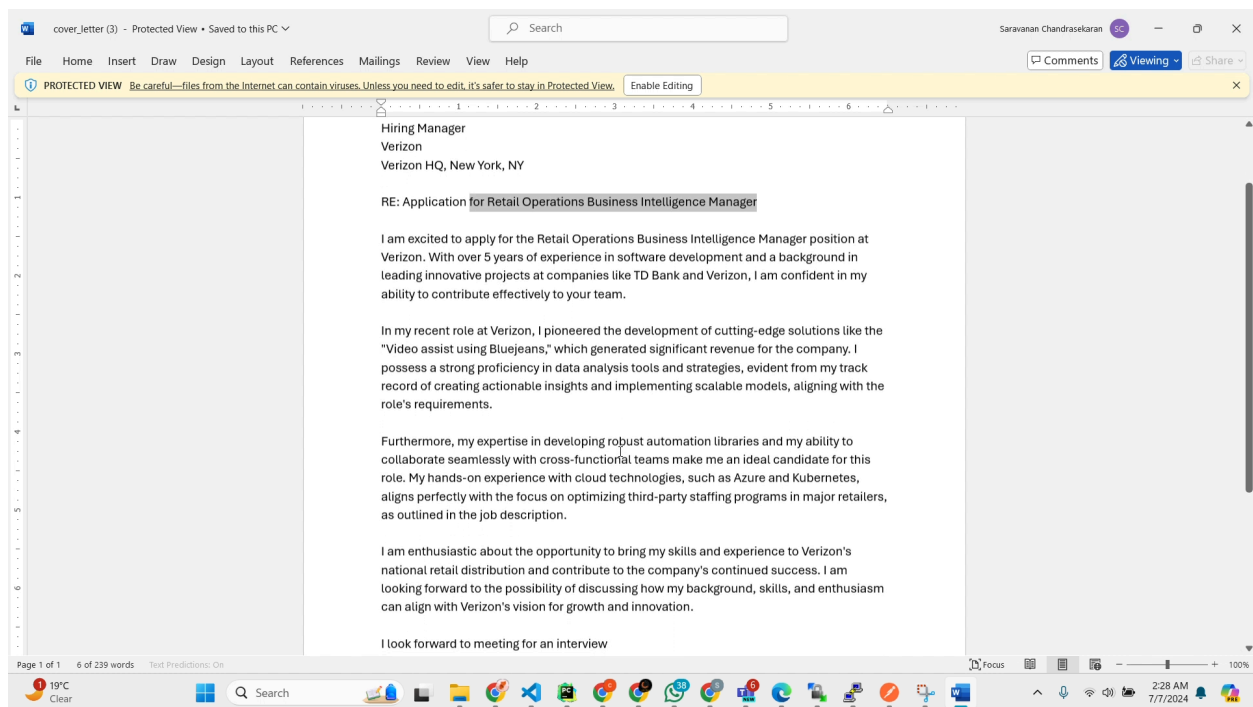
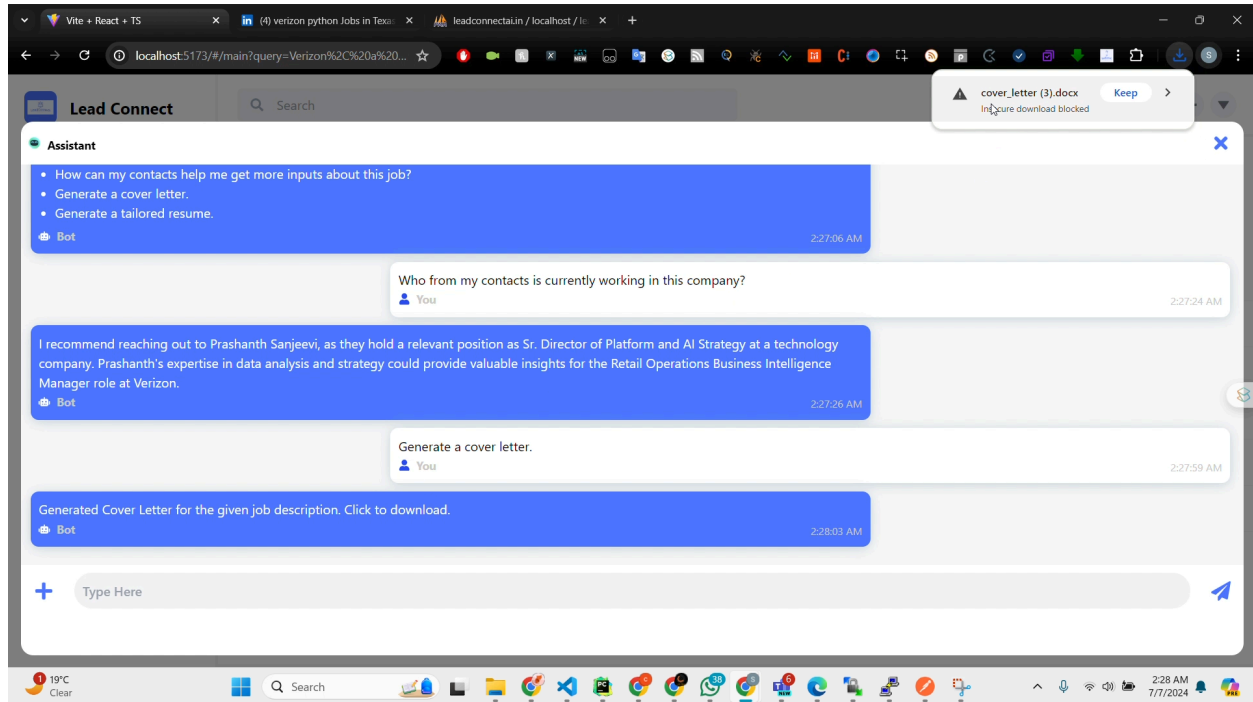
Sundar Rathinavel	Completed the Subscription Model (both front-end and back-end part) and the reminder email push notifications	Rendering images in the email notifications using mailgun api took more time than expected	Thoroughly research potential solutions prior to implementation to prevent bottlenecks.
Rakul Vimala Manokaran	Worked on with contextual search part and made sure that LLM part is appropriate	Some problems include incomplete data that was supplied, and difficulties with integrating and parsing data through APIs and also the limitations of LLM model around understanding and prioritising profile context.	

Sundhar Kaleeswaran	<p>Completed the designing and development of maintainable Interface along with keep in touch component.</p> <p>Completed the structuring of database and backend models for storing notes component implementing API calls</p>	<p>It was a bit tedious to integrate and migrate the data from keep-in-touch component to maintainable since it requires jira board type modelling of user details.</p>	<p>Worked more on identifying the data migration strategies passing large intrinsic complex data values between react components.</p>
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IX. Attach relevant screenshots of your product so far. (0-25)







Lead Connect

- Dashboard
- Keep-in-touch

Profile

Subscription

Logout

Search



Keep In Touch

Set a frequency to reach out and build stronger relationships

All Contacts ▼

dont Keep In Touch

P

Prashanth Sanjeevi

uncategorized

every Week

H

Harjeet Singh

S

Sowmyanarayan Sampath

K

Keval Patel

every Two Weeks

S

Sal Fragale

every Month

K

Kalyani Sekar

every Three Months

Profile

Subscription

Logout

Search



Free Tier

\$0 /user/mo

1 User

Upgrade

✓ 5 Sync profiles per week

✓ Limited LLM chat

✓ limited reminders

✓ 1 user

Business Tier

\$20 /user/mo

5 Users

Upgrade

✓ 50 sync profiles a week

✓ proactive notification and reminders

✓ intermediate skilled LLM with latest GPT support

Enterprise Tier

\$100 /user/mo

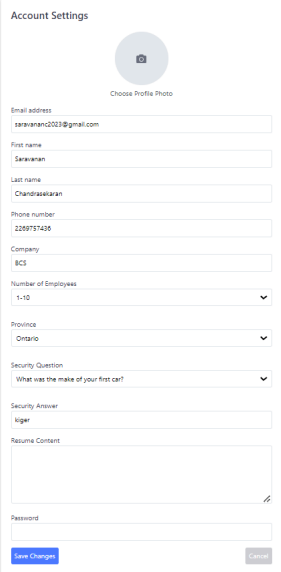
20 Users

Upgrade

✓ Custom training to LLM chat with notes and user profiles proactively

✓ unlimited syncs

✓ 20 users



The image shows a web form titled "Account Settings". At the top, there is a circular profile picture placeholder with a camera icon and the text "Choose Profile Photo". Below this, the form contains several input fields and dropdown menus. The fields are labeled: "Email address" (with the value "saranen2023@gmail.com"), "First name" (with the value "Saranen"), "Last name" (with the value "Chandrasekaran"), "Phone number" (with the value "2289797406"), "Company" (with the value "BCS"), "Number of Employees" (a dropdown menu with "1-10" selected), "Province" (a dropdown menu with "Ontario" selected), "Security Question" (a dropdown menu with "What was the make of your first car?" selected), "Security Answer" (with the value "Niger"), and "Resume Content" (a large text area). At the bottom, there is a "Password" field. The form has two buttons at the bottom: "Save Changes" and "Cancel".

X. What is your team's plan for the remaining weeks of this semester ?
(0-10)

- **Testing** - Ensure the product is ready to be shipped with UAT.
- **Deployment** - Completely deploy the product to the server
- **LLM Model Optimization** - To finetune the LLM Model and generate personalised text messages based on the conversation history
- **Extension optimization** - Make changes to the chrome extension to get more job description
- **Scheduler**- To clear the table dump data regularly
- **Loggers and monitoring** - Setup Loggers and monitoring for the product to track and maintain
- **Product Release** - Hosting in server and mapping the domain