Mankaz Ahammed - 20047409 (Login & Registration)

Role and Contributions:

I was responsible for designing and implementing the **Login and Registration** functionality for the application. Key contributions included:

- Setting up secure user authentication using **JWT**.
- Creating **login and register pages** using React with form validations.
- Connecting the frontend with the backend Node.js API for user auth.
- Implementing protected route logic and redirect handling.
- Storing and managing JWT tokens securely in local storage.

Challenges Faced:

- Handling incorrect credentials and dynamic error messages on the UI.
- Ensuring user data was validated both on the frontend and backend.
- Managing authentication state across the application using React Context API.

Learning Outcomes:

- Gained experience in authentication workflows.
- Learned JWT token generation and secure storage.
- Improved frontend/backend communication skills using Axios.

Harish Khumkar - 20038908 (Dashboard & Applications)

Role and Contributions:

I handled the **Dashboard** and **Applications (Jobs Page)** sections. Contributions included:

- Designing the dynamic dashboard with application statistics.
- Building the **job list**, **job cards**, and **application form modal**.
- Creating the logic for **Add, Edit, and Delete** job applications.
- Implementing visual features such as charts, status badges, and filters.
- Integrating the calendar for interview scheduling.

Challenges Faced:

- Keeping the dashboard responsive and visually appealing.
- Handling dynamic state updates without page refresh.
- Implementing CRUD operations cleanly and efficiently.

Learning Outcomes:

- Learned how to use React state and props for complex UI updates.
- Improved knowledge of event handling and component reusability.
- Understood how to design an intuitive user interface.

Magnus Lopes - 20033903 (Tailor Resume & Settings Page)

Role and Contributions:

I was responsible for the **Tailor Resume** and **Settings Page**. Contributions included:

- Creating the resume tailoring interface using Markdown rendering.
- Integrating Together.ai API via Express.js to optimize resumes.
- Implementing the export-to-Word feature using `html-docx-js` and `file-saver`.
- Developing the Settings UI and logout functionality.
- Building reusable components: loaders, toast notifications, and modals.
- Sidebar navigation and React routing.

Challenges Faced:

- Formatting GPT markdown responses into readable resume layout.
- Securely handling resume uploads and large files.
- Implementing server security (helmet, rateLimit, mongoSanitize).

Learning Outcomes:

- Gained practical experience with LLMs and API consumption.
- Learned to handle file uploads and downloads in the browser.
- Strengthened skills in authentication and user state management.

Yash Palande - 20043004 (Deployment & EC2 Configuration)

Role and Contributions:

I handled **cloud deployment** and **DevOps-related tasks**. Contributions included:

- Setting up an **AWS EC2 Ubuntu instance** to host the application.
- Installing and configuring **Docker & Docker Compose**.
- Writing Ansible playbooks to automate server provisioning.
- Building and deploying Docker containers for both frontend and backend.
- Configuring **Nginx** as a reverse proxy and setting up SSL via **Certbot**.

Challenges Faced:

- Dealing with SSL certificate errors and domain linking.
- Ensuring smooth CI/CD using GitHub for deployment.
- Debugging container permission issues and environment variable setup.

Learning Outcomes:

- Learned real-world DevOps tools: EC2, Docker, Nginx, Ansible.
- Understood HTTP setup, SSL, and domain security.
- Gained confidence in full-stack deployment and automation.