COLLEGE CODE : 9222

COLLEGE NAME: Theni Kammavar Sangam College Of Technology

DEPARTMENT: B.Tech(IT)

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ROLL NO: 23IT005

DATE :17/10/2025

Completed the project named as Phase 5 TECHNOLOGY

PROJECT NAME : JOB APPLICATION TRACKER

SUBMITTED BY,

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Project Demonstration & Documentation

TITLE:IBM-NJ-JOB APPLICATION TRACKER

1. Final Demo Walkthrough

Objective: Provide a clear and concise demonstration of how the app works, focusing on key features and user interactions.

Content:

- Introduction: Briefly describe the app's purpose and its key features (e.g., job tracking, resume uploads, reminders).
- Walkthrough: Show the user flow from start to finish:
- Sign Up/Log In: Show how users can sign up using Google, LinkedIn, or manually.
- Dashboard: Display the main dashboard with job application statuses (e.g., applied, interview, rejected).
- Adding Jobs: Demonstrate adding a new job, uploading resumes, and tagging it with relevant statuses.
- Tracking Job Status: Change the status of an application (from “applied” to “interviewing” or “rejected”) and show how it reflects visually.

- Reminders: Show the reminder system, which can send push notifications or emails when deadlines or interview dates are approaching.
- Notifications: Walk through any automated emails or SMS messages that are sent when statuses are updated.
- Analytics: If applicable, show how users can see their job application success rates or trends.
- Delivery: You can record a screen-share video for clarity, or do a live demo if presenting to a class, team, or stakeholders.

2. Project Report

- Objective: Summarize the entire project, from concept to execution.
- Content:
- Introduction: Brief description of the app and its main functionalities.

Technology Stack:

List all technologies used, including:

- Frontend: React.js, Vue.js, Tailwind CSS, Bootstrap, etc.
- Backend: Node.js, Django, Flask, etc
- Database: MongoDB, PostgreSQL, Firebase, etc.
- APIs: Third-party APIs integrated (e.g., LinkedIn, Google OAuth).

- Design Process: Include wireframes, UI/UX design considerations, and any prototyping tools used (Figma, Sketch, etc.).

Implementation:

- Walkthrough of the development phases:
- Feature development
- Code structure
- API development
- Challenges Faced: Mention any roadblocks and how you overcame them.

Future Improvements: Suggest features that could be added in future iterations.

Program:

```
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8" />

 <meta name="viewport" content="width=device-width, initial-scale=1" />

 <title>Job Application Tracker</title>

 <style>

   body {

     font-family: Arial, sans-serif;

     margin: 2rem;
```

```
  background: #f9f9f9;
}
h1 {
  text-align: center;
}
form {
  background: #fff;
  padding: 1rem;
  border-radius: 8px;
  max-width: 500px;
  margin: 0 auto 2rem auto;
  box-shadow: 0 2px 5px rgba(0,0,0,0.1);
}
label {
  display: block;
  margin-top: 1rem;
}
input[type="text"], select, textarea {
  width: 100%;
  padding: 0.5rem;
  margin-top: 0.3rem;
  border: 1px solid #ccc;
```

```
  border-radius: 4px;
  box-sizing: border-box;
}
button {
  margin-top: 1rem;
  padding: 0.7rem 1.5rem;
  background: #007bff;
  border: none;
  border-radius: 4px;
  color: white;
  cursor: pointer;
}
button:hover {
  background: #0056b3;
}
.job-list {
  max-width: 700px;
  margin: 0 auto;
  border-collapse: collapse;
  width: 100%;
}
.job-list th, .job-list td {
```

```
    border: 1px solid #ddd;
    padding: 0.8rem;
    text-align: left;
  }
  .job-list th {
    background-color: #f2f2f2;
  }
  .status-applied {
    color: green;
    font-weight: bold;
  }
  .status-pending {
    color: orange;
    font-weight: bold;
  }
  .status-rejected {
    color: red;
    font-weight: bold;
  }
 </style>
</head>
<body>
```

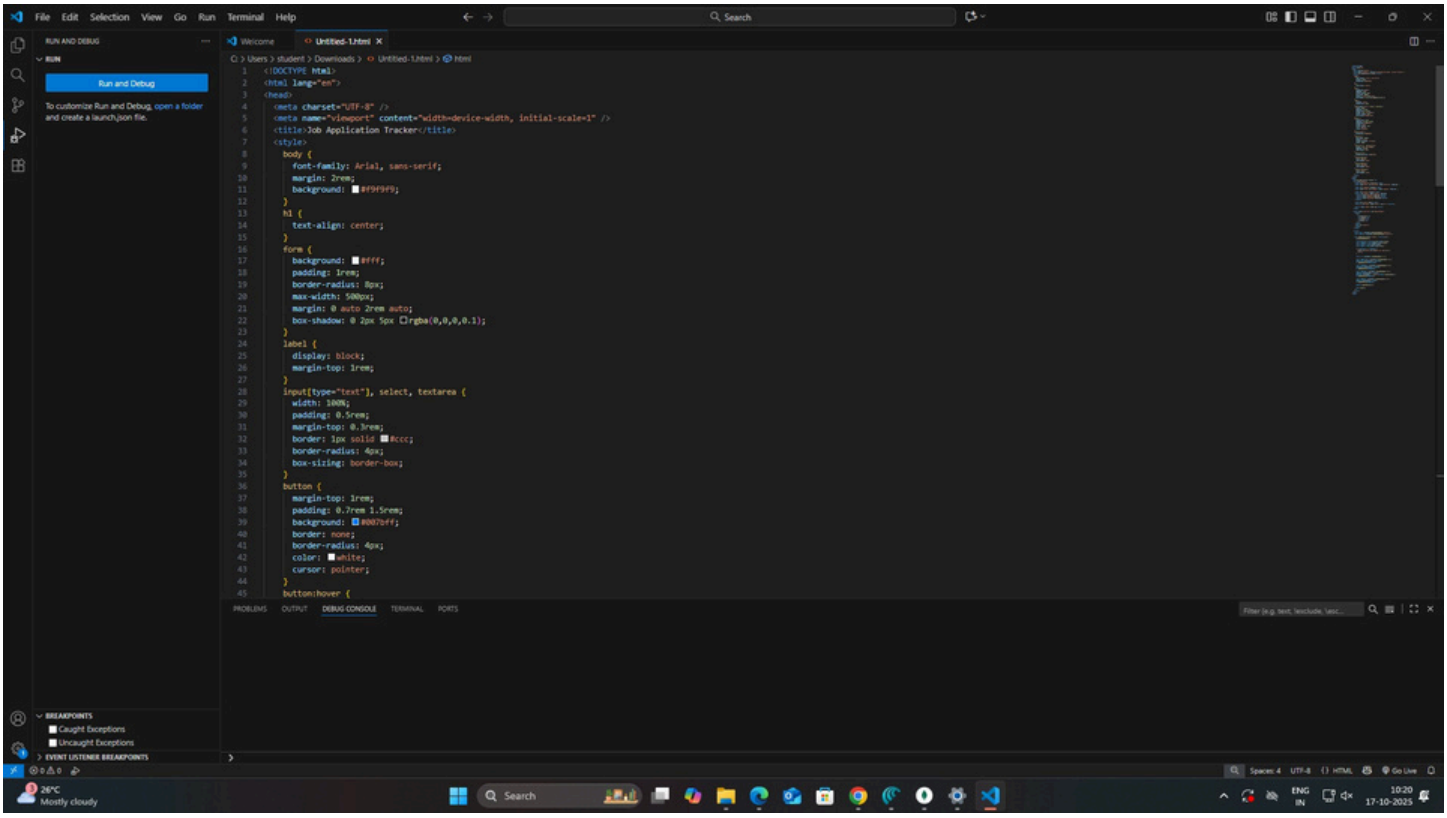
```
<h1>Job Application Tracker</h1>

<form id="jobForm">

  <label for="position">Position</label>

  <input type="text" id="position" name="position" required />


  <label for="company">Company</label>

  <input type="text" id="company" name="company" required />


  <label for="status">Status</label>

  <select id="status" name="status" required>

    <option value="Applied">Applied</option>

    <option value="Pending">Pending</option>

    <option value="Rejected">Rejected</option>

  </select>


  <label for="notes">Notes</label>

  <textarea id="notes" name="notes" rows="3"></textarea>


  <button type="submit">Add Job</button>

</form>


<table class="job-list" id="jobListTable">
```

```
  <thead>
    <tr>
      <th>Position</th>
      <th>Company</th>
      <th>Status</th>
      <th>Notes</th>
    </tr>
  </thead>
  <tbody id="jobList">
  </tbody>
</table>

<script>
const form = document.getElementById('jobForm');
const jobList = document.getElementById('jobList');

  form.addEventListener('submit', function(e) {
    e.preventDefault();

    const position = form.position.value.trim();
    const company = form.company.value.trim();
    const status = form.status.value;
```

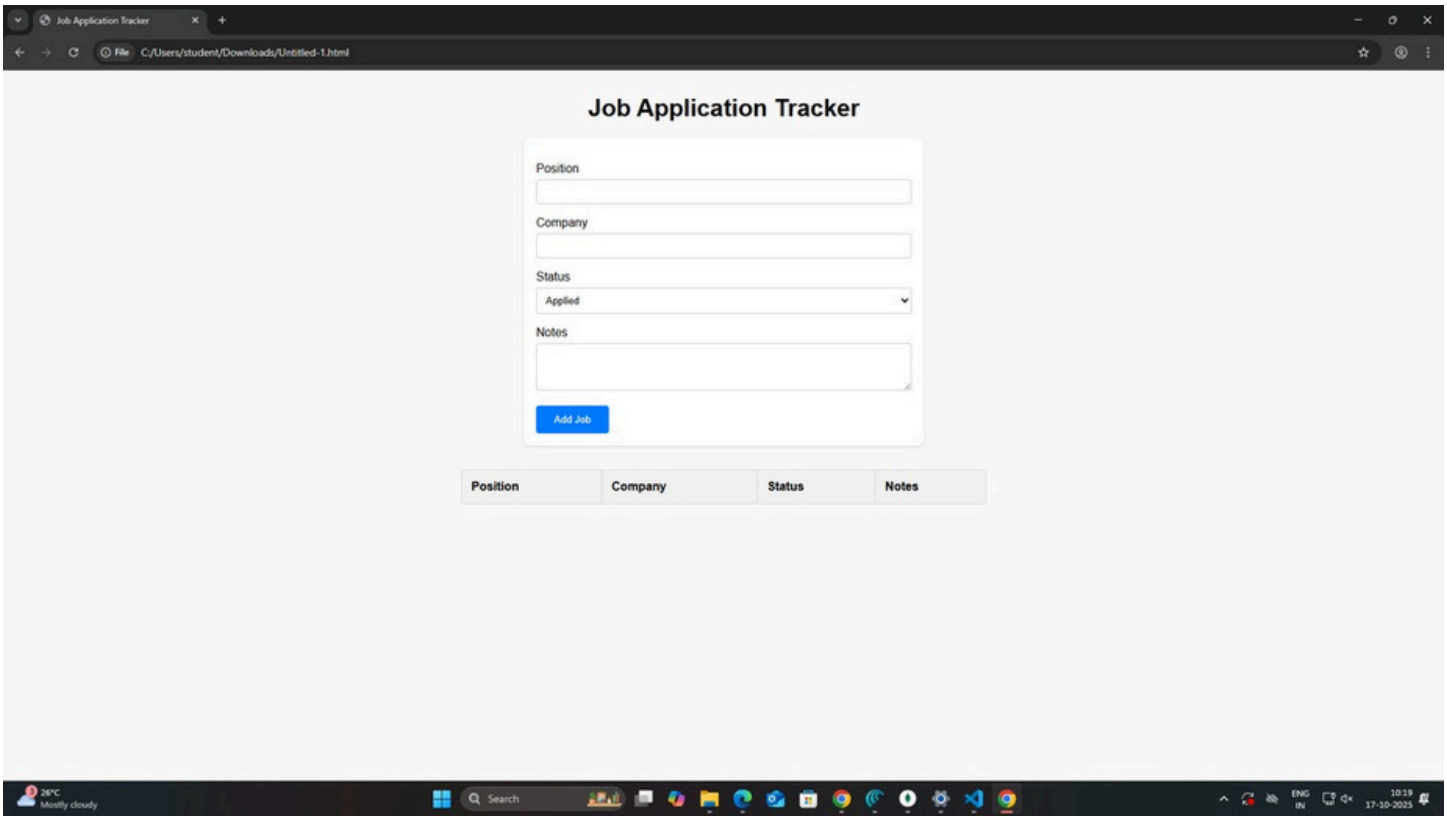
```
const notes = form.notes.value.trim();


if(!position || !company) {
  alert("Position and Company are required!");
  return;
}


const tr = document.createElement('tr');


const tdPosition = document.createElement('td');
tdPosition.textContent = position;
tr.appendChild(tdPosition);


const tdCompany = document.createElement('td');
tdCompany.textContent = company;
tr.appendChild(tdCompany);


const tdStatus = document.createElement('td');
tdStatus.textContent = status;
tdStatus.className = `status-${status.toLowerCase()}`;
tr.appendChild(tdStatus);
```

```
    const tdNotes = document.createElement('td');

    tdNotes.textContent = notes;

    tr.appendChild(tdNotes);



    jobList.appendChild(tr);



    form.reset();

  });

</script>

</body>

</html>
```

3. Screenshots / API Documentation



OUTPUT:



4. Challenges & Solutions

Objective: Demonstrate problem-solving skills and reflection on what was learned throughout the development.

Challenges:

API Integrations: Did you face difficulties while integrating with third-party APIs (e.g., LinkedIn, job boards)? How did you overcome authentication or data fetching issues?

User Authentication: Was setting up secure login (OAuth) tricky? How did you ensure data security?

State Management: Did you run into challenges while managing app state (especially with job statuses or user sessions)? Did you

use Redux or Context API (for React)? UI/UX Design: Were there any issues designing a smooth, responsive interface? Did you need to refactor components for better mobile compatibility? Performance: Were there performance bottlenecks? Did you optimize for speed and data fetching (e.g., lazy loading, pagination)?

Solutions:

Provide detailed solutions and techniques you used to fix the problems (e.g., using Axios for API calls, state management libraries, implementing lazy loading for job listings, etc.).

5. GitHub README & Setup Guide