Summary of Work
Day 1:

Setup
- Installed nodejs and NPM to set up the Angular development environment.
- Initialised a new Angular project using Angular CLI.
- Set up a NPM for the Nodejs backend, including libraries to make User Interface.

Development Phase
Frontend:
- Created User Interfaces for Candidates and their attributes.
- Implemented navigation using Angular's router.
- Implemented Styling frameworks like material UI to style the components
- Integrated search, filtering, sorting, and pagination features for candidate and job listings with a Js Concepts.

Backend:
- Developed RESTful APIs in Nodejs using Express to handle CRUD operations for candidates, jobs, applications, and users.
- And Setup the backend for the deployment
- Created unit tests for API endpoints to ensure reliability.

Day 2:
Integration
- Using **Fetch Api** and async await functions to make a connection between Angular to nodejs backend apis
- Implemented services in Angular to handle API requests and responses.
- Resolved CORS issues to ensure smooth communication between frontend and backend and setup res.setHeader('Access-Control-Allow-Origin', "own origin");

Deployment
- Used **Render** for Deploy the web server Apis
- And **github-pages** for deploy the Front end Angular App

Deliverables:
   1) **GitHub Repository:**
- **BackEnd** : https://github.com/RajeshThangapandi/AtsBackEnd
- **FrontEnd** : https://github.com/RajeshThangapandi/AtsApp

- **2) Live Application:**
- **BackEndServer:** https://atsbackend-h1sd.onrender.com/applicant
- **Main Application Server:** https://rajeshthangapandi.github.io/AtsApp/

- Documentation: Included in the repository under the "docs" folder

Overall Experience:
I deepened my understanding of nodejs, leveraging its event-driven architecture to build scalable and efficient backend services. Developed RESTful APIs using express.js, integrating various endpoints to facilitate seamless communication between the frontend and backend. Enhanced skills in Angular, implementing dynamic and responsive user interfaces that interact seamlessly with backend APIs. Developed modular components and services, ensuring maintainability and scalability of the frontend application. Integrated middleware functions to validate user permissions and manage session states effectively. Utilised Git for version control, collaborating effectively with team members and managing codebase changes using branching strategies.

Overall, this assessment provided invaluable hands-on experience in full-stack web development with nodejs and Angular.