

# Update 2 – Progress Update Report

CSE 499A: Senior Design I | Section: 15 | Group: 03

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## Week Update Summary

This week, we have completed the Login and Signup backend functionality using Firebase authentication. We have designed the UI/UX of Job Agent, Resume Checker, and Mock Interview pages. We have also updated some frontend designs of the Login and Signup pages. We have created and maintained a Firebase API and database for the authentication system. We have fixed some bug issues in the Navbar of the website. Also, we have organized the GitHub repository to make it more convenient and easier to understand, and uploaded all the files and folders. We are studying some research papers and learning about Langchain for developing the project.

## Completed Task

- Completed the Login and Signup backend functionality using Firebase authentication.
- Designed and implemented the frontend UI/UX system, including:
  - Job Agent Page
  - Resume Checker Page
  - Mock Interview Page
- Studied a research paper titled, "Interviewing AI: Using qualitative methods to explore and capture machines' characteristics and behaviors"

## Contribution

Md. Kamrul Islam:

- Completed the Login backend functionality using Firebase authentication.
- Completed the Signup backend functionality using Firebase authentication.
- Created Firebase API
- Fixed some bug issues in the Navbar of the website.
- Uploaded the files and screenshots of the website.

Farhan Ishraque:

- Studied research papers
- Completed UI/UX frontend design of Resume Checker for the website.
- Updated the Dashboard page and linked the pages through the website.
- Completed weekly report.
- Completed literature review PPTX file.

#### Atikul Islam Nahid:

- Studied research papers
- Completed UI/UX frontend design of Mock Interview for the website.
- Completed weekly report.
- Completed literature review PPTX file.

#### Iram Shehzad:

- Studied research papers
- Completed UI/UX frontend design of Job Agent for the website.
- Completed weekly report.
- Completed literature review PPTX file.

### **Work in Progress**

- Implement two-factor authentication (2FA) for enhanced security.
- Testing and selection of a suitable AI Model for a specific task.
- Develop and maintain the user database.
- Searching for research papers related to our project.

### **Next Target**

- Implement signup and login using Google's Gmail with one click.
- Select a suitable AI Model for a Job Search from LinkedIn and other job posting platforms.
- Develop the user database.
- Start to integrate the backend of the website.

### **Challenges**

- Faced the node version synchronization problem.
- Getting Firebase auth provider error.