Progress Report 3

CSIS 4495

Douglas College

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Work Date/Hours Logs

Date	Number of Hours	Description of Work Done
Mar 17,2025	3	Fetched name from Username and displayed on the Main page and Profile page. It was not displaying so took more time to fix.
Mar 19,2025	2.5	Updated Job recommendations page for temporary display to apply job
Mar 20,2025	1	Some Updating in sign in page.
Mar 23 ,2025	3.5	Getting the Interests of a user to save in Firestore and telling jobs to apply on According to it which will be saved in User profile.

Description:

To fetch the username from User Profile used in Sign up page. It will show the same name of Home Page and User Profile

Code Snippet
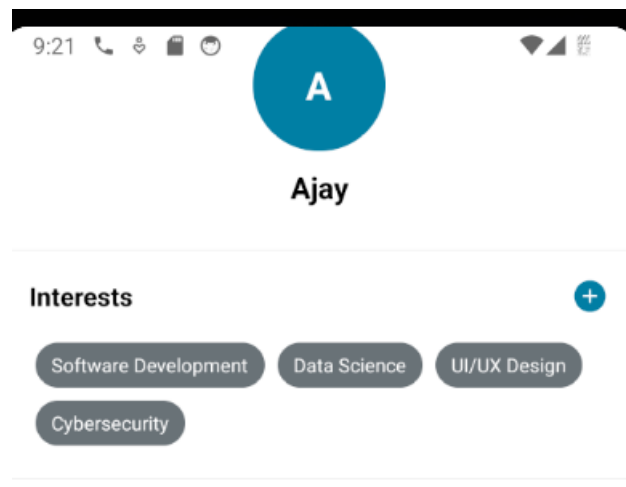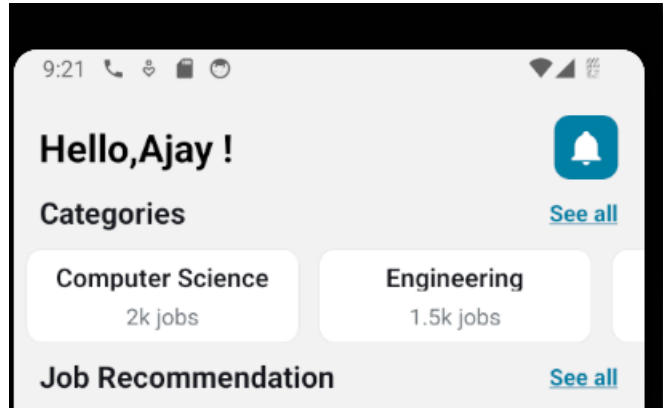
```
useEffect(() => {
  const fetchUserDetails = async () => {
    const user = auth().currentUser;

    if (user) {
      try {
        const userDoc = await firestore().collection("users").doc(user.uid).get();

        if (userDoc.exists) {
          const userData = userDoc.data();
          setUserDetails(userData);

        } else {
          console.log("No such document!");
        }
      } catch (error) {
        console.error("Error fetching user details: ", error);
      }
    } else {
      console.log("No user is signed in.");
    }
  };

  fetchUserDetails();
}, []);
```
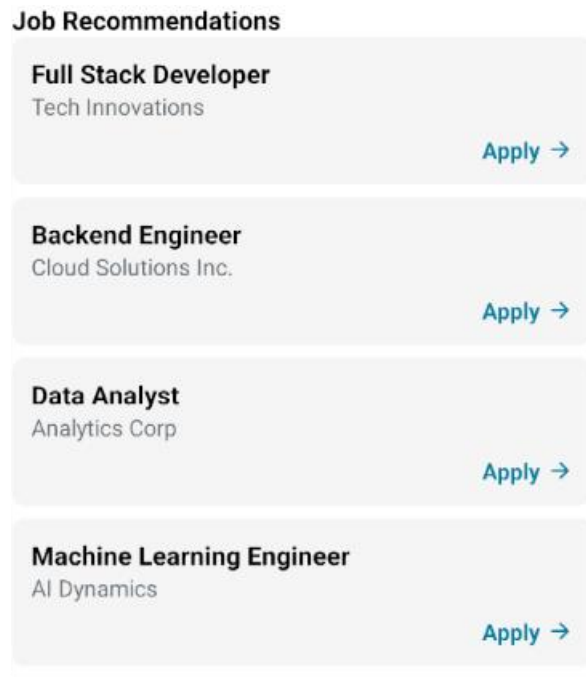
Temporary Job Recommendations:

Job Recommendations

Full Stack Developer
Tech Innovations

Apply →

Backend Engineer
Cloud Solutions Inc.

Apply →

Data Analyst
Analytics Corp

Apply →

Machine Learning Engineer
AI Dynamics

Apply →

It will only show jobs according to user Interests.

For Firestore:

Code Snippet

```
useEffect(() => {
  const fetchUserDetails = async () => {
    setIsLoading(true);
    const user = auth().currentUser;

    if (user) {
      try {
        const userDoc = await firestore().collection("users").doc(user.uid).get();

        if (userDoc.exists) {
          const userData = userDoc.data();
          setUserDetails(userData);

          // Load interests from Firestore if available
          if (userData?.interests && Array.isArray(userData.interests)) {
            setInterests(userData.interests);
          }
        } else {
          console.log("No such document!");
        }
      } catch (error) {
        console.error("Error fetching user details: ", error);
        Alert.alert("Error", "Could not load user profile data");
      } finally {
        setIsLoading(false);
      }
    } else {
      console.log("No user is signed in.");
      setIsLoading(false);
    }
```

Future Goals:

Will use AI to show recommendations instead of manual entries which will be based on interest of user.

```
const saveInterestsToFirestore = async (newInterests: string[]) => {
  const user = auth().currentUser;

  if (!user) {
    Alert.alert("Error", "You must be signed in to save interests");
    return false;
  }

  try {
    await firestore()
      .collection("users")
      .doc(user.uid)
      .update({
        interests: newInterests,
        updatedAt: firestore.FieldValue.serverTimestamp(),
      });
    return true;
  } catch (error) {
    console.error("Error saving interests: ", error);
    Alert.alert("Error", "Failed to save your interests");
    return false;
  }
};

const toggleInterest = (interest: string) => {
  const newInterests = interests.includes(interest)
    ? interests.filter((i) => i !== interest)
    : [...interests, interest];

  setInterests(newInterests);
};
```

Output:

🔺 (default)	📑 users	🔻 ⋮	📄 Zwpx9Cv3O9hgbJnBkh3FMJNuEiO2	⋮
+ Start collection	**+ Add document**		**+ Start collection**	
users ›	Zwpx9Cv3O9hgbJnBkh3FMJNuEiO2 ›		**+ Add field**	
	sXhKnXlvrCOGX0CW46hOs7IoiPf2		createdAt: March 23, 2025 at 8:30:38 PM UTC-7	
			email: "ajay1@gmail.com"	
			▾ interests	
			0 "Software Development"	
			1 "Data Science"	
			2 "UI/UX Design"	
			3 "Cybersecurity"	
			name: "Ajay"	
			updatedAt: March 23, 2025 at 8:39:04 PM UTC-7	