
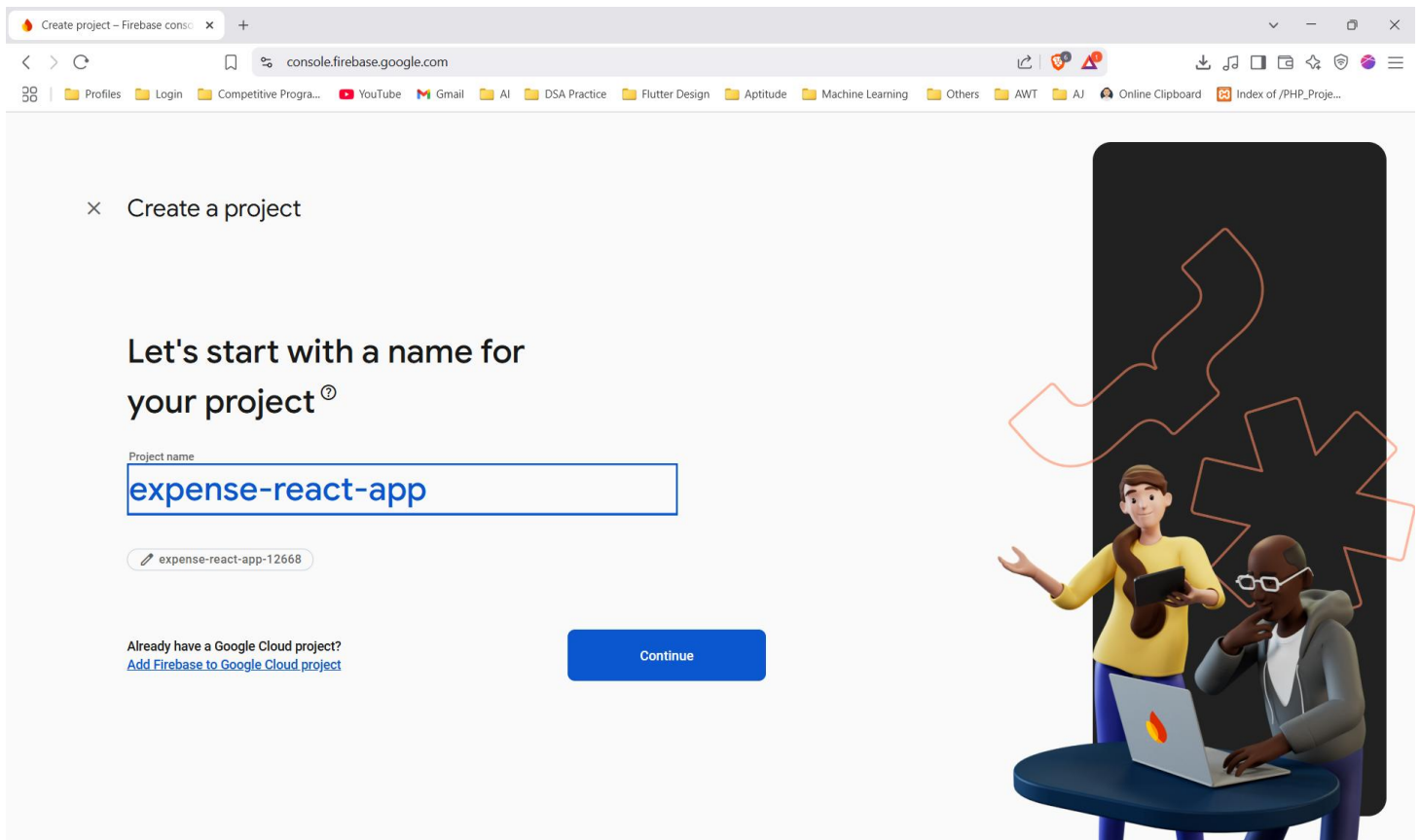
 Marwadi University Marwadi Chandarana Group		Marwadi University Faculty of Technology Department of Information and Communication Technology
Subject: Advanced Web Technology (01CT1625)	Aim: Deploy any simple React app on Firebase.	
Task No:- 05	Date:- 23-03-2025	Enrollment No:- 92200133030

Objective:- Deploy any simple React app on Firebase.

Steps :-

1) Create a New Firebase Project



Create project – Firebase console

console.firebase.google.com

× Create a project

Let's start with a name for your project[®]



Project name

expense-react-app

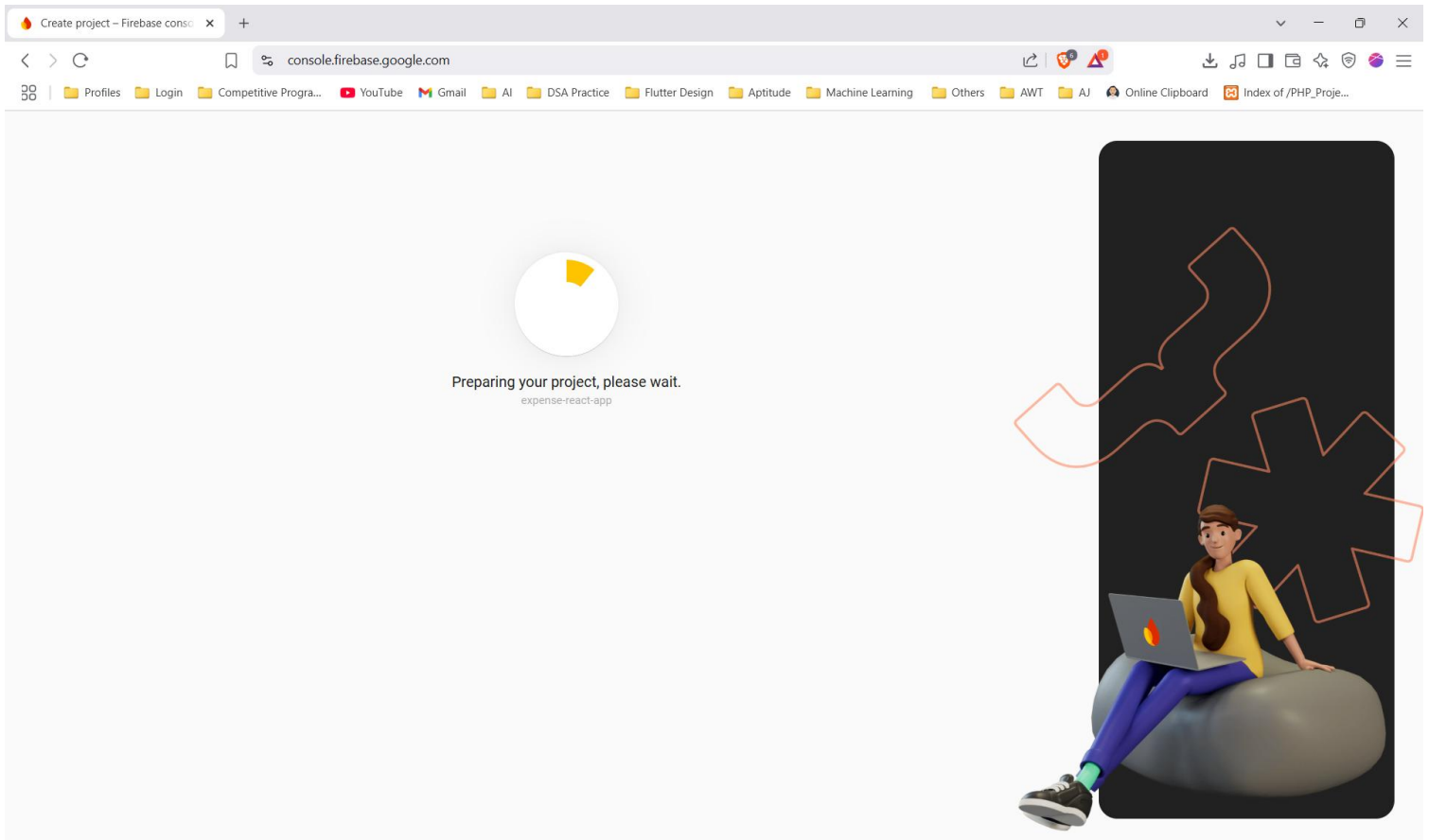
expense-react-app-12668



Already have a Google Cloud project?
[Add Firebase to Google Cloud project](#)

Continue

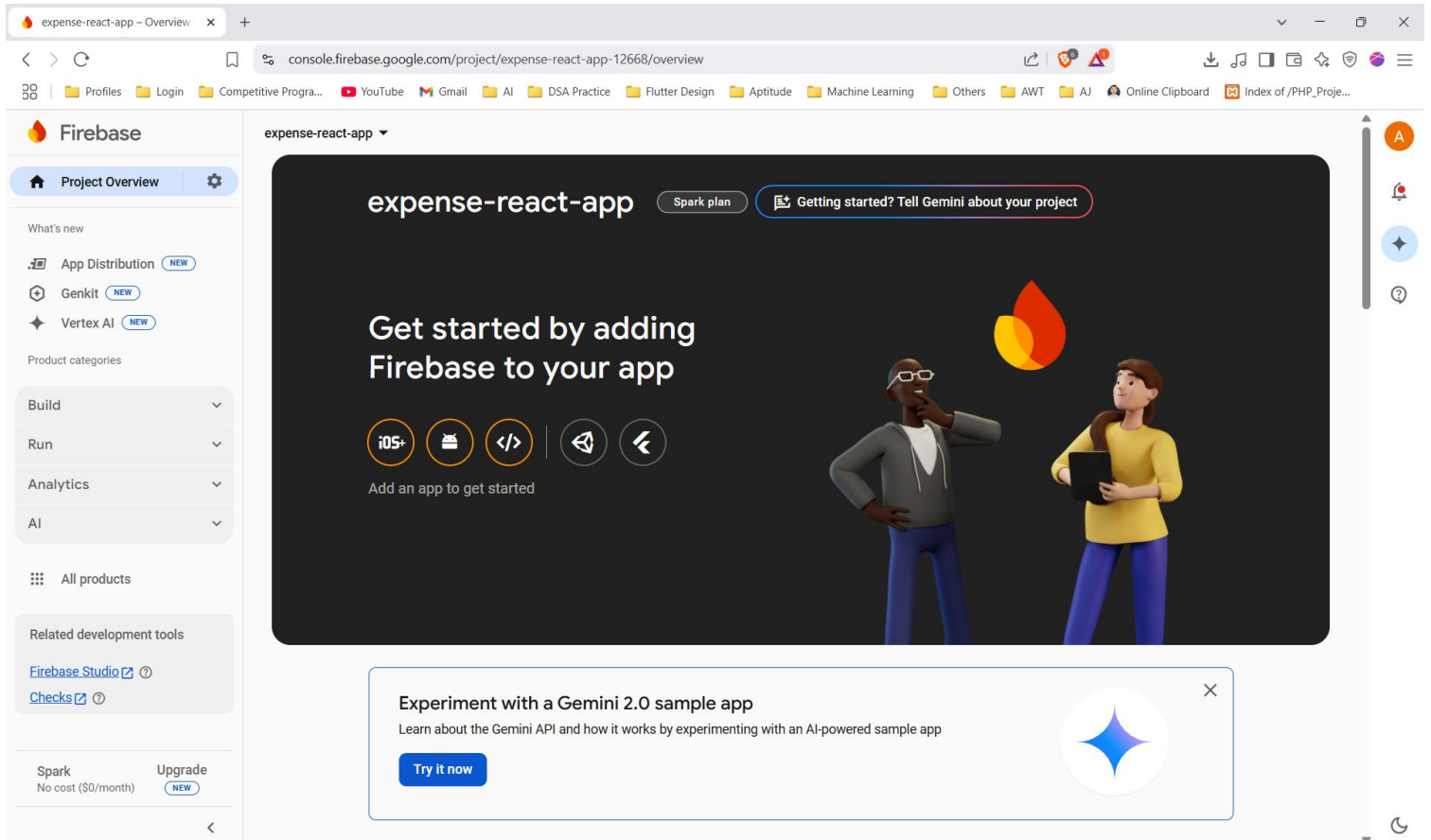
 Marwadi University Marwadi Chandarana Group		Marwadi University Faculty of Technology Department of Information and Communication Technology
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Task No:- 05	Date:- 23-03-2025	Enrollment No:- 92200133030



2) It will take around 2 minutes



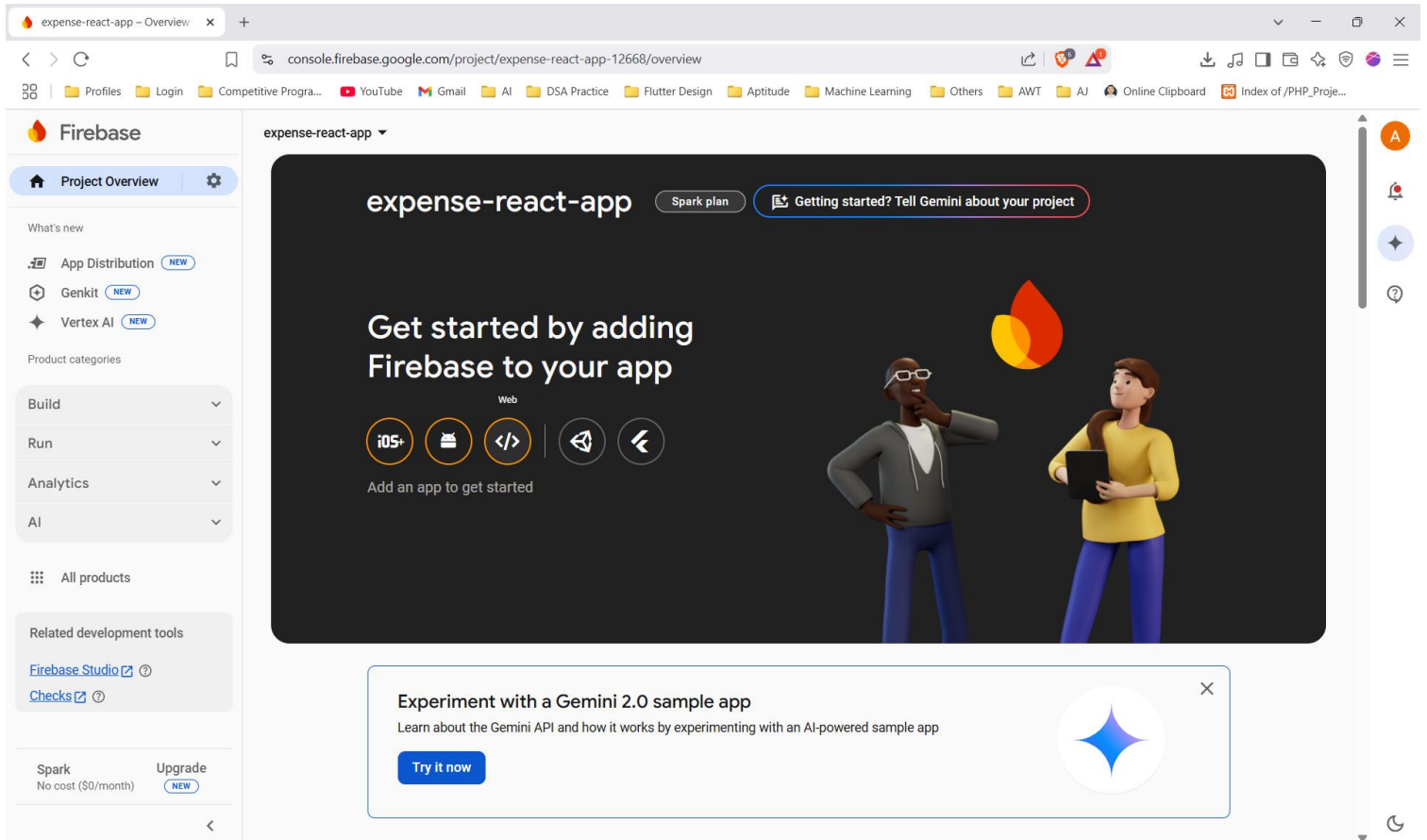
 Marwadi University Marwadi Chandarana Group	 Marwadi University Faculty of Technology Department of Information and Communication Technology
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3) After the Successful Creation of Project you will get this type of Dashboard of Project.





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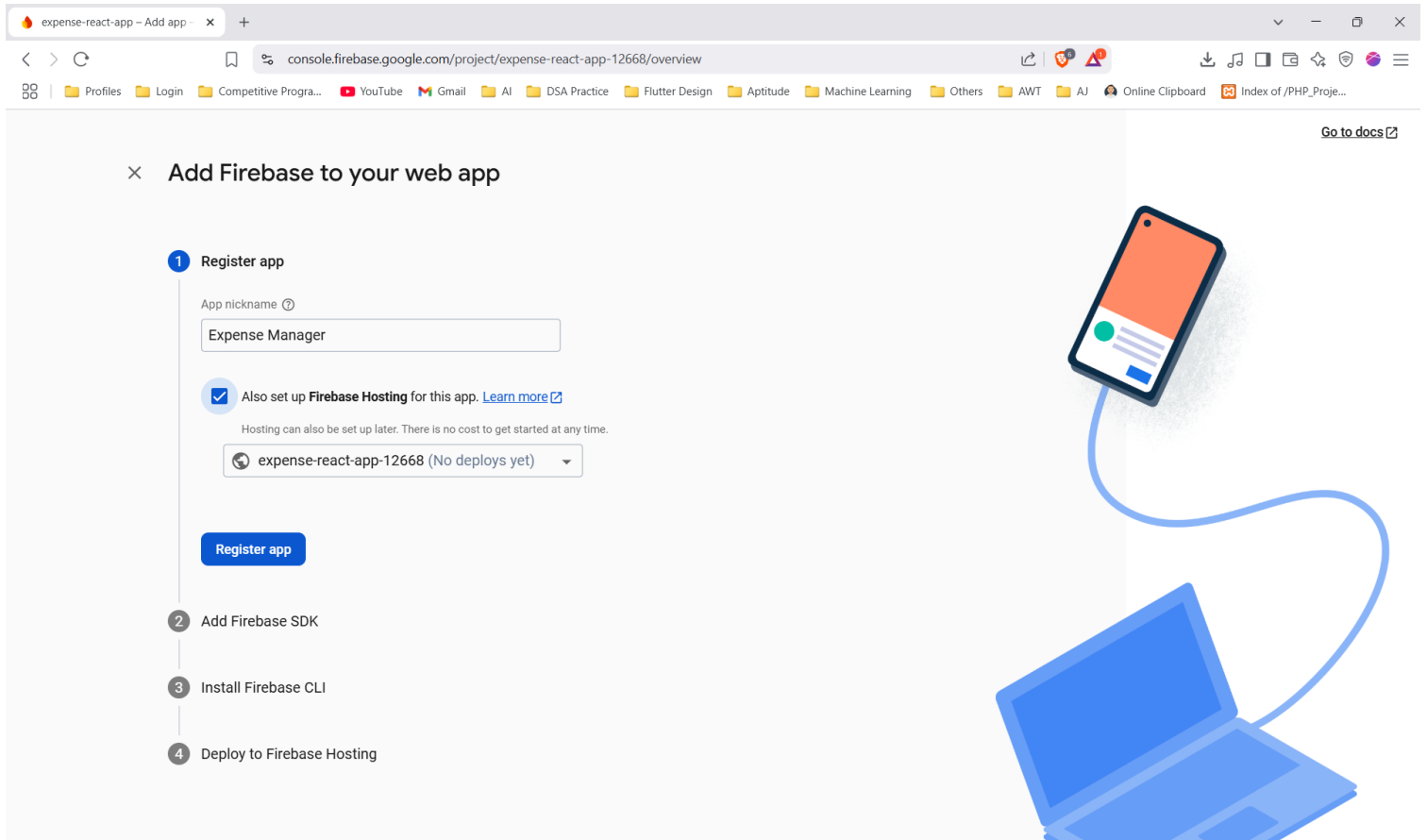
4) Create a Web app for your project



The screenshot shows the Firebase console interface for a project named 'expense-react-app'. The main heading is 'Get started by adding Firebase to your app'. Below this, there are icons for different platforms: iOS, Android, Web, and Cloud Functions. A 'Web' button is highlighted. To the right, there's a 'Spark plan' button and a link to 'Getting started? Tell Gemini about your project'. At the bottom, there's a banner for 'Experiment with a Gemini 2.0 sample app' with a 'Try it now' button. The left sidebar contains navigation links for 'Project Overview', 'App Distribution', 'Genkit', 'Vertex AI', and 'Product categories'.

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5) Register Your Web app



expense-react-app - Add app - x +

console.firebase.google.com/project/expense-react-app-12668/overview

Go to docs

× Add Firebase to your web app

- 1 Register app**

App nickname ⓘ



Expense Manager

☒ Also set up **Firebase Hosting** for this app. [Learn more](#)

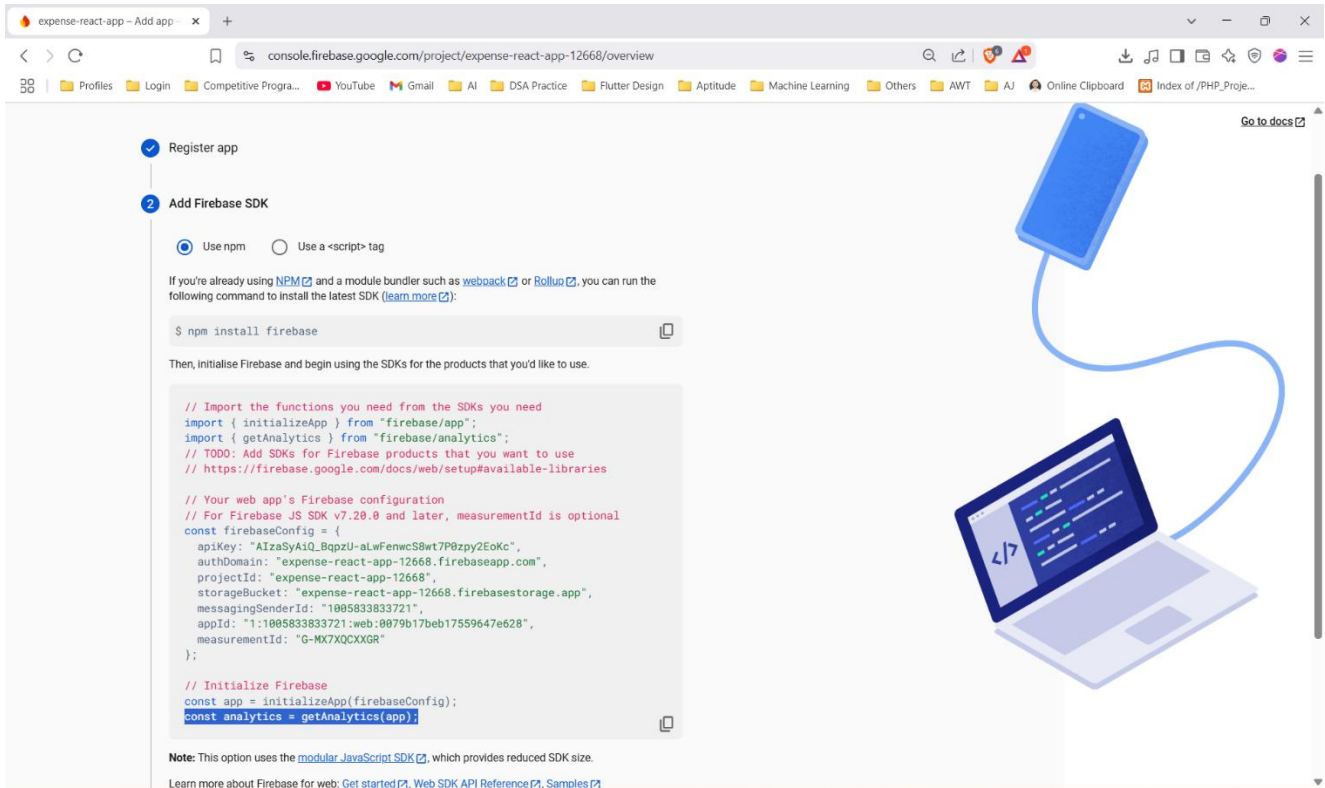
Hosting can also be set up later. There is no cost to get started at any time.

expense-react-app-12668 (No deploys yet)

Register app
- 2 Add Firebase SDK**
- 3 Install Firebase CLI**
- 4 Deploy to Firebase Hosting**

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6) Add Firebase SDK to the Project and Configure the Credentials



Register app

2 Add Firebase SDK

☒ Use npm ☐ Use a <script> tag

If you're already using [NPM](#) and a module bundler such as [Webpack](#) or [Rollup](#), you can run the following command to install the latest SDK ([learn more](#)):

```
$ npm install firebase
```

Then, initialise Firebase and begin using the SDKs for the products that you'd like to use.

```
// Import the functions you need from the SDKs you need
import { initializeApp } from "firebase/app";
import { getAnalytics } from "firebase/analytics";
// TODO: Add SDKs for Firebase products that you want to use
// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration
// For Firebase JS SDK v7.20.0 and later, measurementId is optional
const firebaseConfig = {
  apiKey: "AIzaSyA1Q_BqzU-aLwFenwcSwt7P0zpy2EoKc",
  authDomain: "expense-react-app-12668.firebaseio.com",
  projectId: "expense-react-app-12668",
  storageBucket: "expense-react-app-12668.firebaseio.com",
  messagingSenderId: "1005833833721",
  appId: "1:1005833833721:web:0079b17beb17559647e628",
  measurementId: "G-MX7XQXXGR"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const analytics = getAnalytics(app);
```

Note: This option uses the [modular JavaScript SDK](#), which provides reduced SDK size.

[Learn more about Firebase for web:](#) [Get started](#), [Web SDK API Reference](#), [Samples](#)

```

aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200
133030_task_5_aws/admin_dashboard (Fixing)
$ npm install firebase

added 83 packages, changed 1 package, and audited 483 packages in 3m

76 packages are looking for funding
  run `npm fund` for details


3 moderate severity vulnerabilities

Some issues need review, and may require choosing
a different dependency.

Run `npm audit` for details.

aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200
133030_task_5_aws/admin_dashboard (Fixing)
$

```


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7) Install Firebase CLI Globally

```

aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200133030_task_5_aws/admin_dashboard (Fixing)
● $ npm install -g firebase-tools
npm warn EBADENGINE Unsupported engine {
npm warn EBADENGINE   package: 'superstatic@9.2.0',
npm warn EBADENGINE   required: { node: '18 || 20 || 22' },
npm warn EBADENGINE   current: { node: 'v23.11.0', npm: '10.9.2' }
npm warn EBADENGINE }

added 594 packages in 1m

69 packages are looking for funding
  run `npm fund` for details

aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200133030_task_5_aws/admin_dashboard (Fixing)
○ $

```

8) Login through Firebase CLI

```



aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200133030_task_5_aws/admin_dashboard (Fixing)
$ firebase login
i Firebase optionally collects CLI and Emulator Suite usage and error reporting information to help improve our products. Data is collected in accordance with Google's privacy policy (https://policies.google.com/privacy) and is not used to identify you.

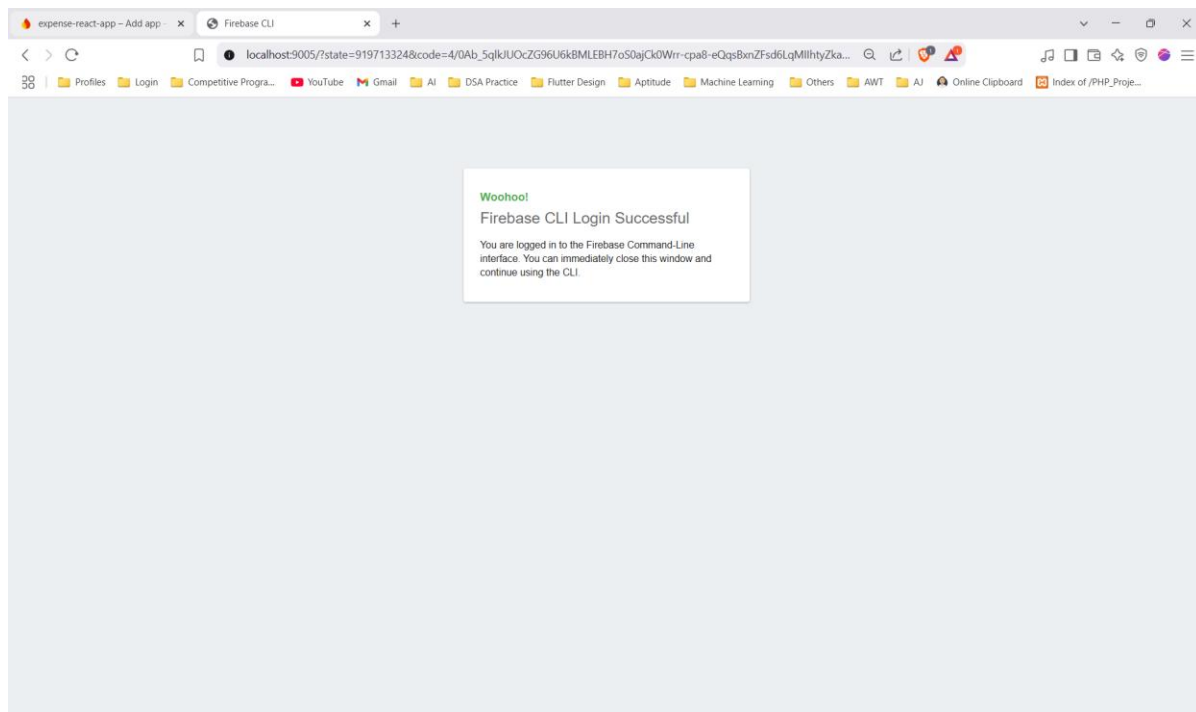
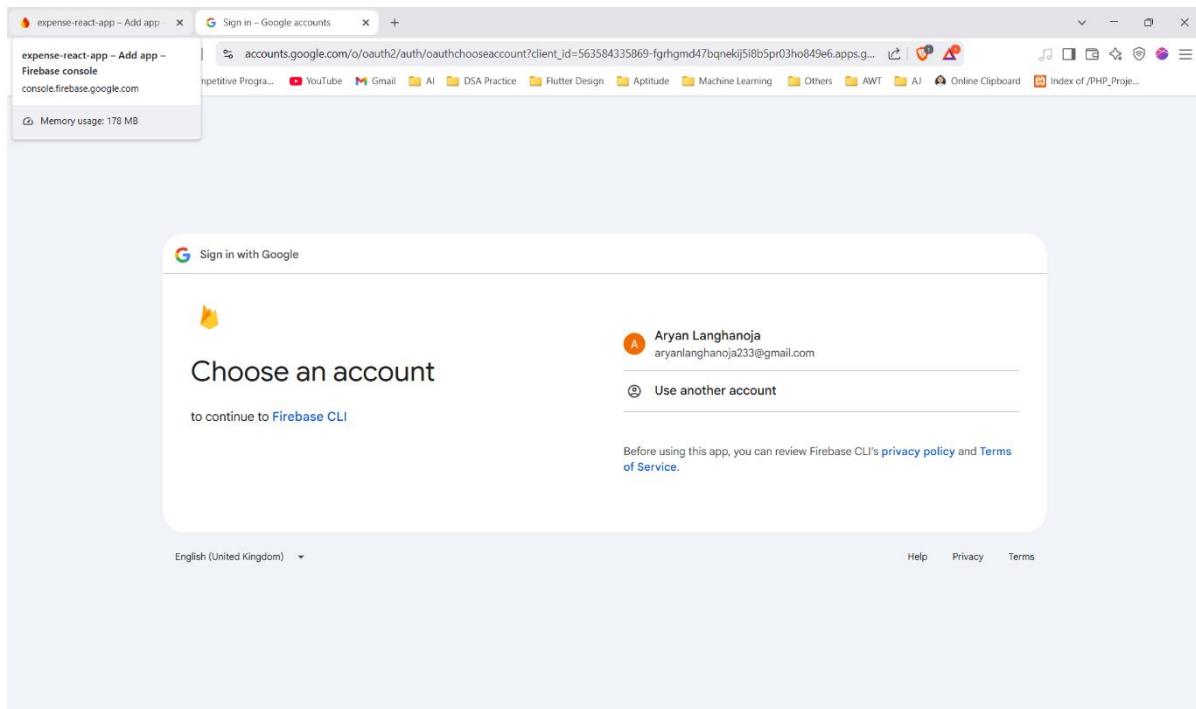
? Allow Firebase to collect CLI and Emulator Suite usage and error reporting information? Yes
i To change your data collection preference at any time, run `firebase logout` and log in again.


Visit this URL on this device to log in:
https://accounts.google.com/o/oauth2/auth?client_id=563584335869-fgrhgm47bqnekij5i8b5pr03ho849e6.apps.googleusercontent.com&scope=email%20openid%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloudplatformprojects.readonly%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Ffirebase%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&state=919713324&redirect_uri=http%3A%2F%2Flocalhost%3A9005

Waiting for authentication...

```

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```

aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200133030_task_5_awt/admin_dashboard (Fixing)
• $ firebase login
i Firebase optionally collects CLI and Emulator Suite usage and error reporting information to help improve our products. Data is collected in accordance with Google's privacy policy (https://policies.google.com/privacy) and is not used to identify you.

? Allow Firebase to collect CLI and Emulator Suite usage and error reporting information? Yes
i To change your data collection preference at any time, run `firebase logout` and log in again.

Visit this URL on this device to log in:
https://accounts.google.com/o/oauth2/auth?client_id=563584335869-fgrhgmd47bqnekij5i8b5pr03ho849e6.apps.googleusercontent.com&scope=email%20openid%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloudplatformprojects.readonly%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Ffirebase%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&state=919713324&redirect_uri=http%3A%2F%2Flocalhost%3A9005

Waiting for authentication...

+ Success! Logged in as aryanlanghanoja233@gmail.com

aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200133030_task_5_awt/admin_dashboard (Fixing)
o $

```

9) Build Your Website

```


aryan@Aryan MINGW64 /d/Aryan Data/Usefull Data/Semester - 6/Advanced_Web_Technologies/Tasks/Task 5 - Cloud and Deployment/92200133030_task_5_awt/admin_dashboard (Fixing)
• $ npm run build

> vite_react_shadcn_ts@0.0.0 build
> vite build

vite v5.4.18 building for production...
✓ 2057 modules transformed.
dist/index.html                0.90 kB | gzip:    0.48 kB
dist/assets/Logo-D40bqxql.png 125.31 kB
dist/assets/index-BzCbRKK_.css 1,901.77 kB | gzip: 230.84 kB
dist/assets/index-B3Xszk5Z.js  1,919.34 kB | gzip: 482.78 kB

(!) Some chunks are larger than 500 kB after minification. Consider:
- Using dynamic import() to code-split the application
- Use build.rollupOptions.output.manualChunks to improve chunking: https://rollupjs.org/configuration-options/#output-manualchunks
- Adjust chunk size limit for this warning via build.chunkSizeWarningLimit.
✓ built in 9.50s

```


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Live Project Link :- <https://expense-react-app-12668.web.app>