

3.4.2 Schema Design

Schema design, in the context of software development and database management, refers to the process of creating a structure or blueprint that defines how data will be organized, stored, and related within a database. It involves making decisions about how different types of data will be represented, how they will be interconnected, and how the database will efficiently retrieve and store information.

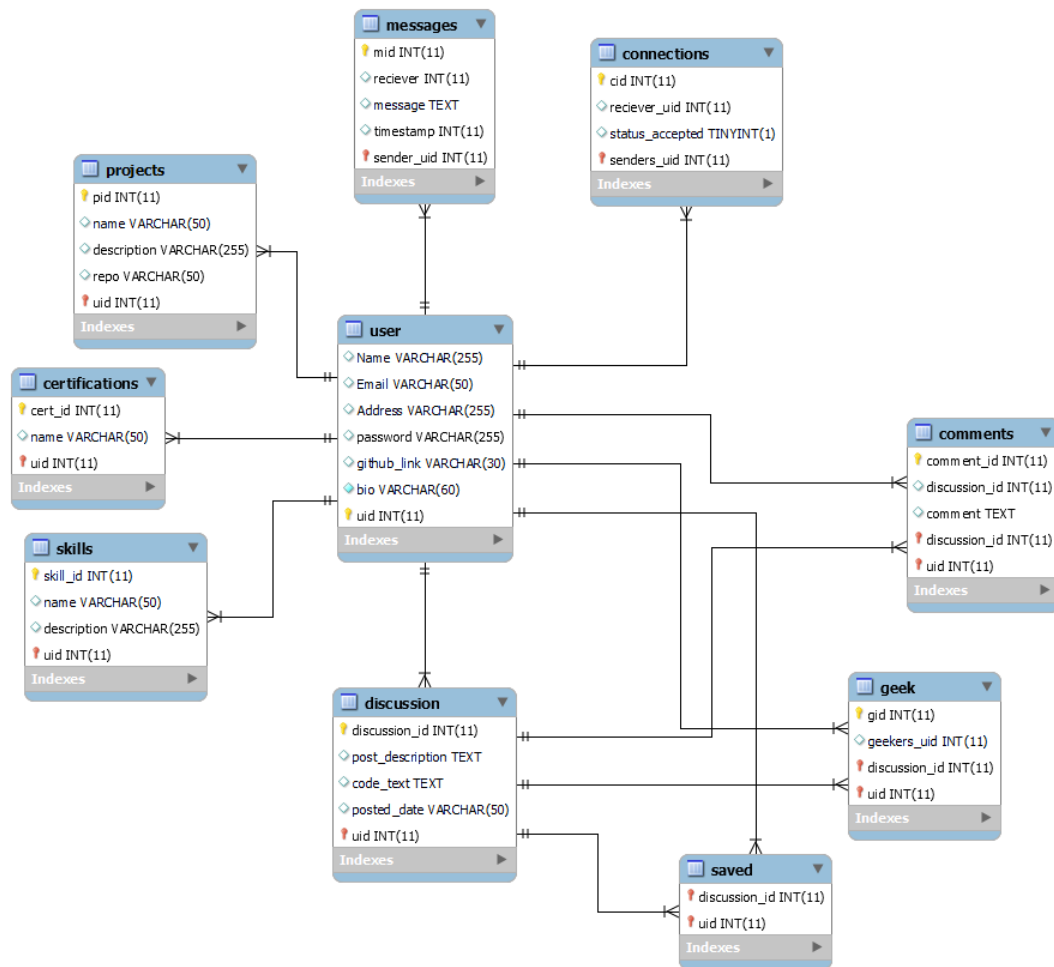


Figure 3.4: Database Schema Design

3.4.3 Interface Design

User Interface Design

User interface (UI) design refers to the process of creating the visual layout and elements that users interact with when using a software application, website, or any digital product. UI design focuses on making the user experience intuitive, visually appealing, and user-friendly.

Below shows the login system UI design which have been implemented in our system.

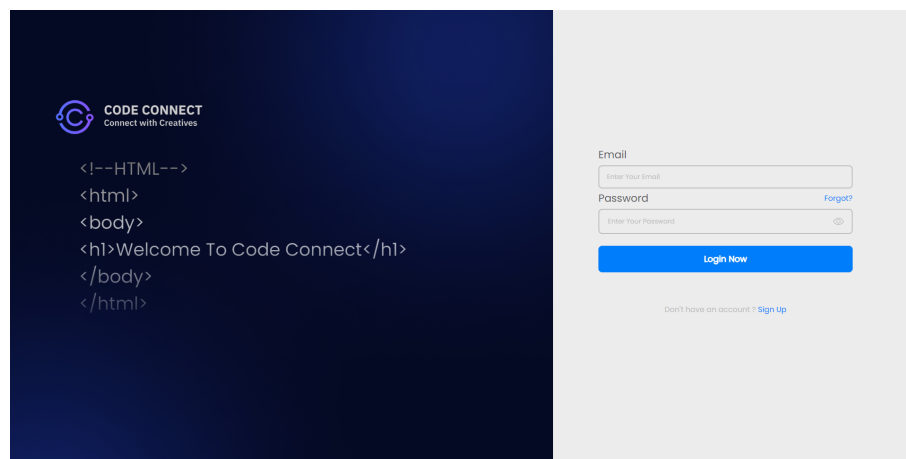


Figure 3.5: Desktop Login UI

Below is the UI design of our homepage which shows most of our functionality in our web application.

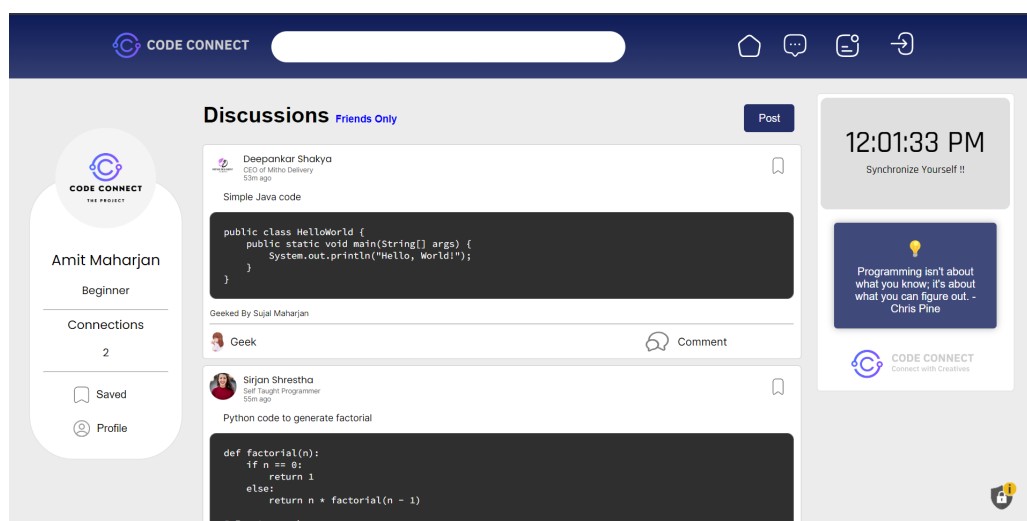


Figure 3.6: Desktop Homepage UI

Below shows the UI Design of our Messenger System which have been implemented in our system.

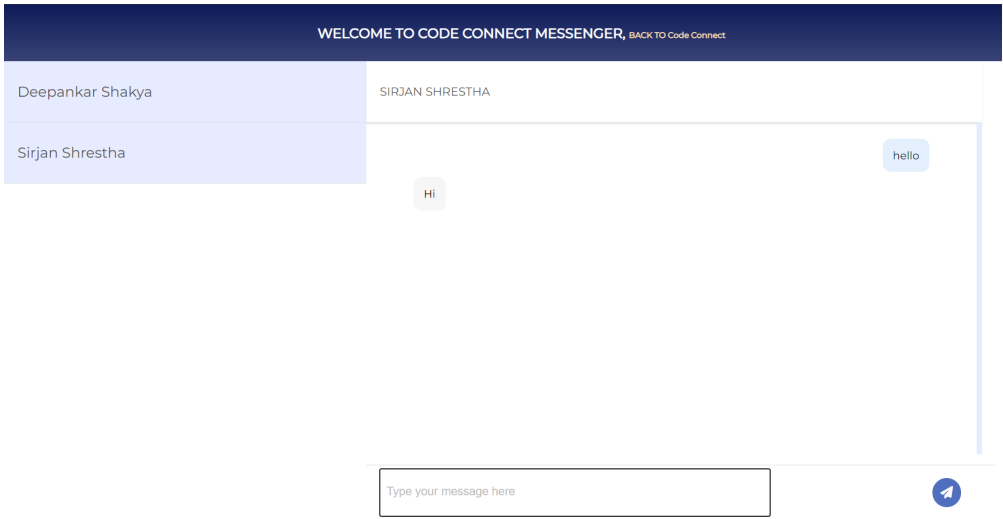


Figure 3.7: Desktop Messages UI

Below shows our Mobile Interface Login UI used in code connect.

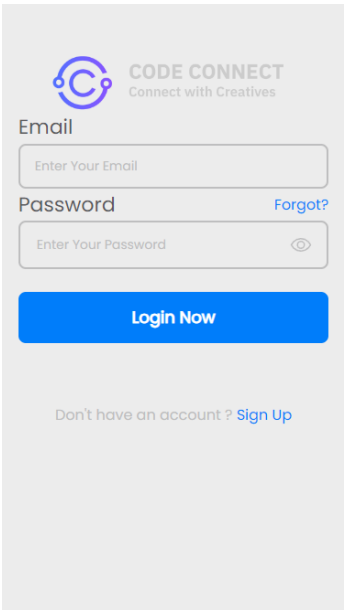


Figure 3.8: Mobile Login UI

Below shows our Mobile Homepage UI used in code connect.

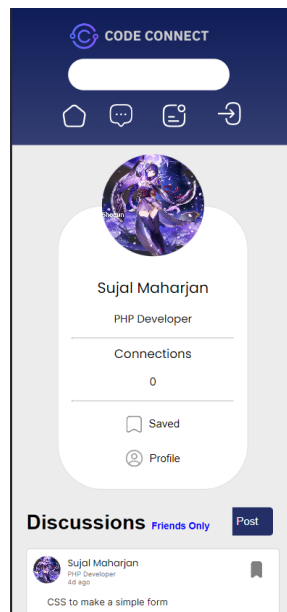


Figure 3.9: Mobile Homepage UI

Below shows our Mobile Chat UI used in code connect.

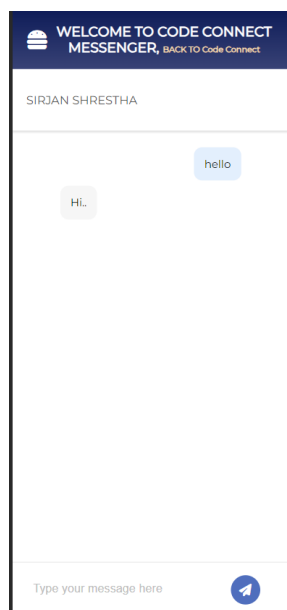


Figure 3.10: Mobile Chat UI

Below shows our Mobile Chat section's friend-list UI used in code connect.

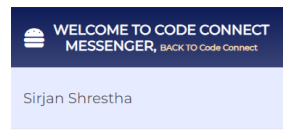


Figure 3.11: Mobile Friend-list of chat UI

5 Conclusion and Future Recommendations

5.1 Lesson Learnt / Outcome

Throughout the development of CodeConnect, a social media platform tailored for IT professionals, the importance of user-centricity and robust functionality was realized. Importance was placed on the creation of an intuitive profile dashboard, the implementation of real-time messaging, and the inclusion of discussion features, all of which highlighted the value of seamless communication and knowledge sharing. These outcomes reflect the project's dedication to enhancing the experience of IT professionals within the CodeConnect community. Below are the Outcomes of project CodeConnect

5.1.1 Home Page

The Home Page serves as the heart of our platform. It provides users with a friendly and intuitive starting point, presenting essential navigation options, important announcements, and recent activity highlights. With its carefully crafted layout, users can effortlessly explore different sections, ensuring a seamless and engaging experience that keeps them informed and connected to the latest updates and content.

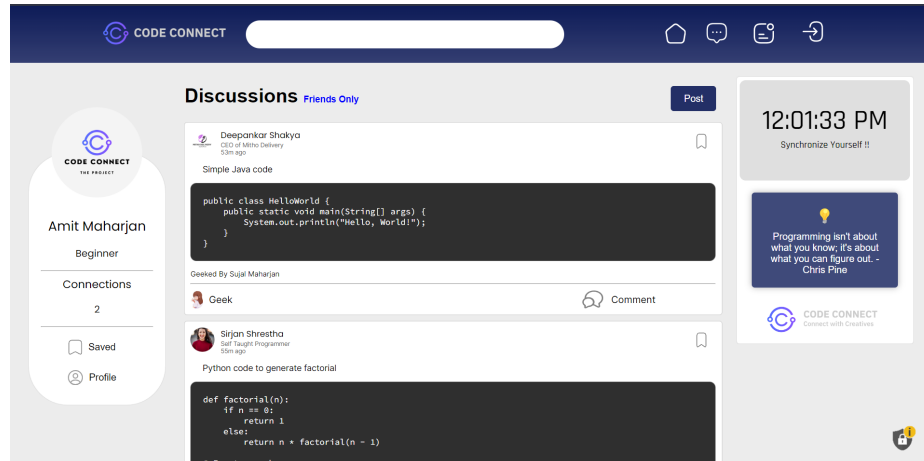


Figure 5.1: Home Page.

5.1.2 Geek

The image illustrates what happens when a user clicks on "geek." It's similar to how "like" button used to show that user enjoy something. Pressing "geek" is like giving a thumbs up, showing that the user finds the content interesting or cool, much like using a "like" button.

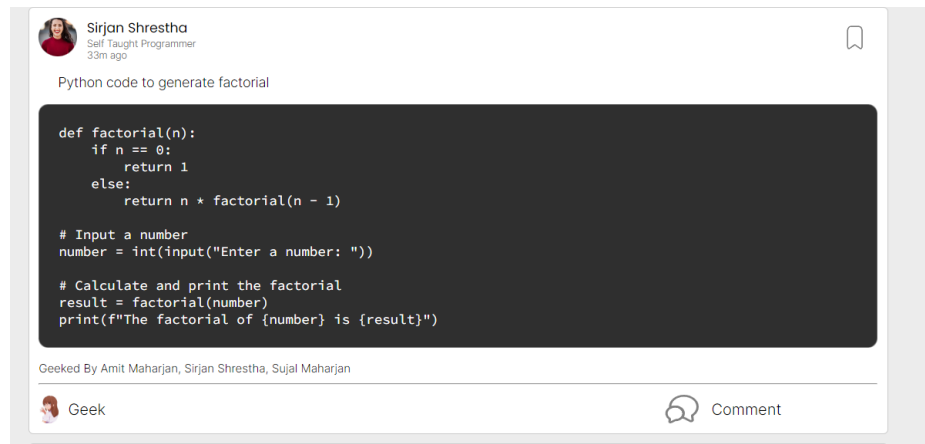


Figure 5.2: Geek.

5.1.3 Un-Geek

In the picture, one can see what happens when a user clicks "un-geek." It's like taking back a previous action, kind of like when someone changes their mind about liking something. Just as one can "unlike" by using a "dislike" button, "un-geek" lets users remove the interest or approval they showed earlier with the "geek" feature.

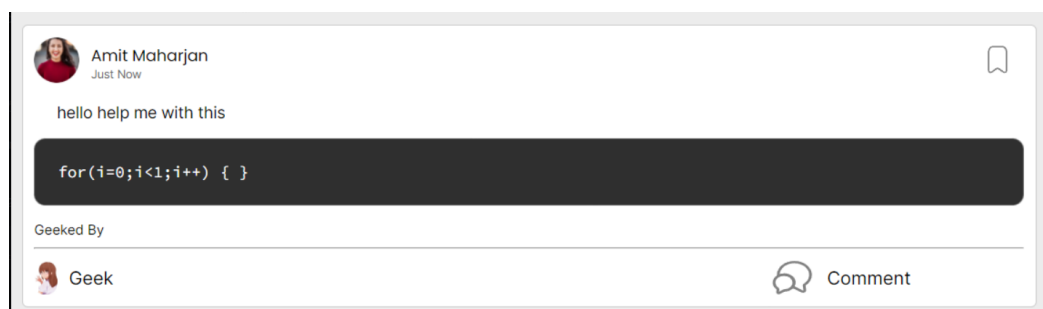


Figure 5.3: Un-Geek.

5.1.4 Profile

The image displayed portrays the user profile within Code Connect. This profile presents a snapshot of the user's presence on the platform, offering insights into their activities, interests, and possibly their expertise. By showcasing key information, the profile facilitates connections and understanding among users, fostering a sense of community and collaboration within the Code Connect ecosystem.

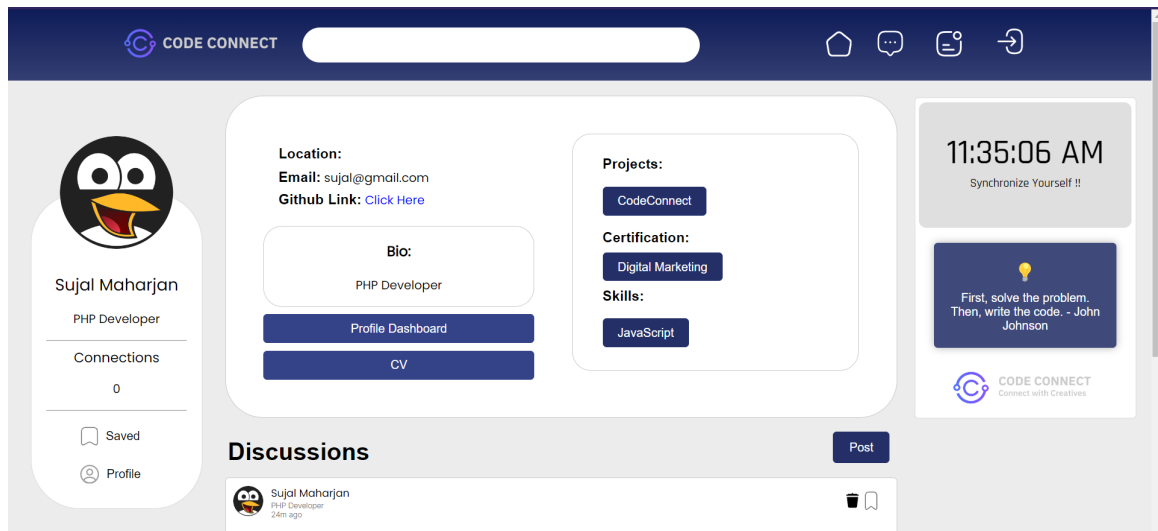


Figure 5.4: Profile.

5.1.5 Profile Dashboard

The image displayed portrays the Profile dashboard of the user's profile. Through the help of this profile dashboard user can update their general-informations, projects status, certifications, skills and CV.

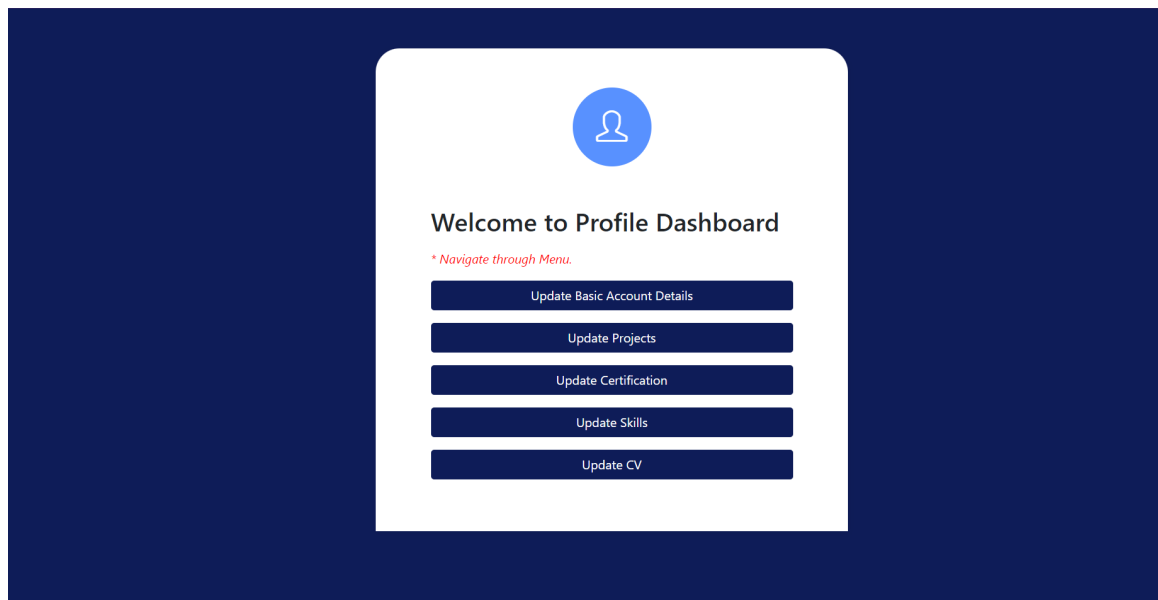


Figure 5.5: Profile Dashboard

5.1.6 Project Showcase

The image displayed portrays the user profile in which it displays the Project section of the profile. This Project showcase presents a snapshot of the user's Projects which gives a brief

explanation on their project title.

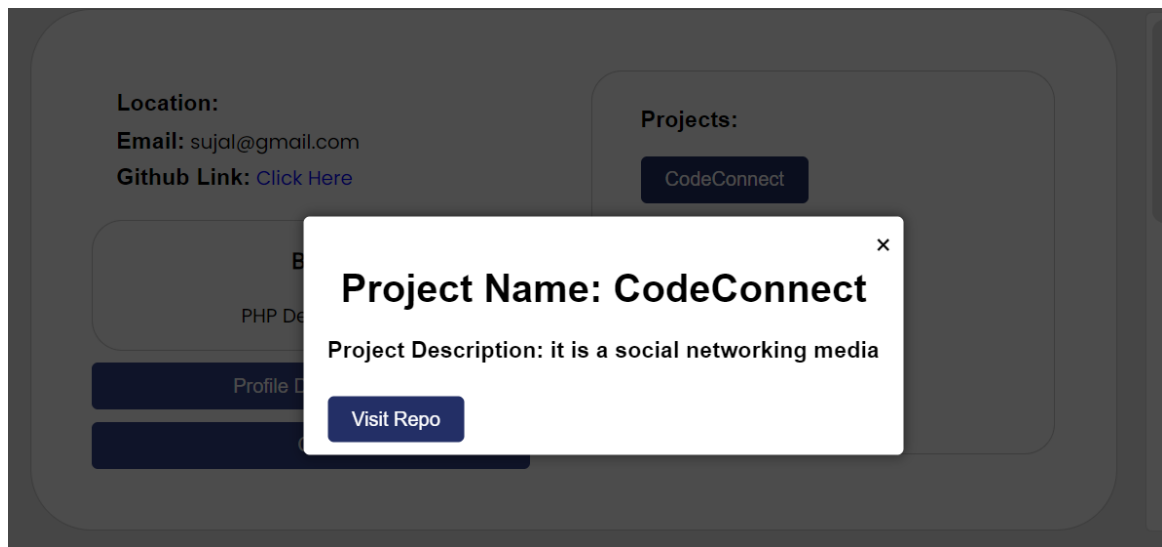


Figure 5.6: Project Showcase

5.1.7 Skills Showcase

The image below showcases the skill section of the user profile, allowing users to highlight their expertise in specific fields or areas of specialization.

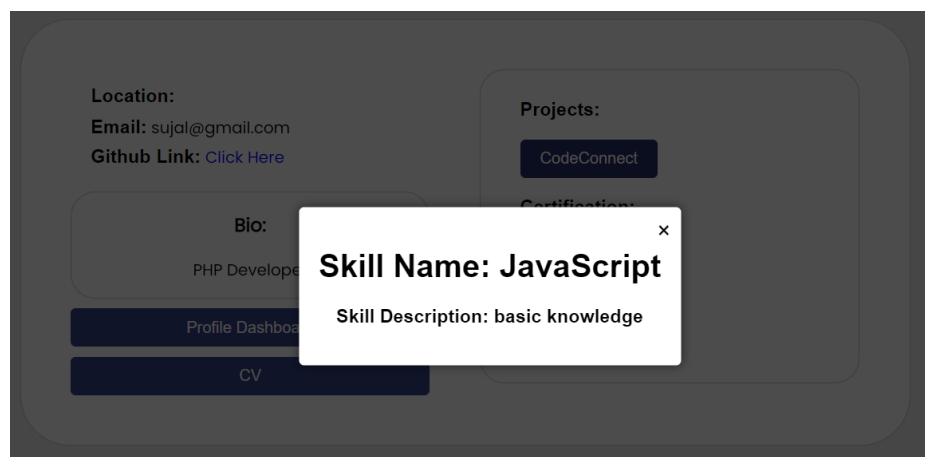


Figure 5.7: Skills Showcase

5.1.8 Messenger

In the picture, one can see the messaging part of Code Connect. It resembles a chat where users can communicate in real-time. This assists users in effortlessly sharing information, discussing projects, and seeking assistance within the Code Connect community. The messaging feature simplifies the process of connecting, sharing ideas, and collaborating on

coding tasks.

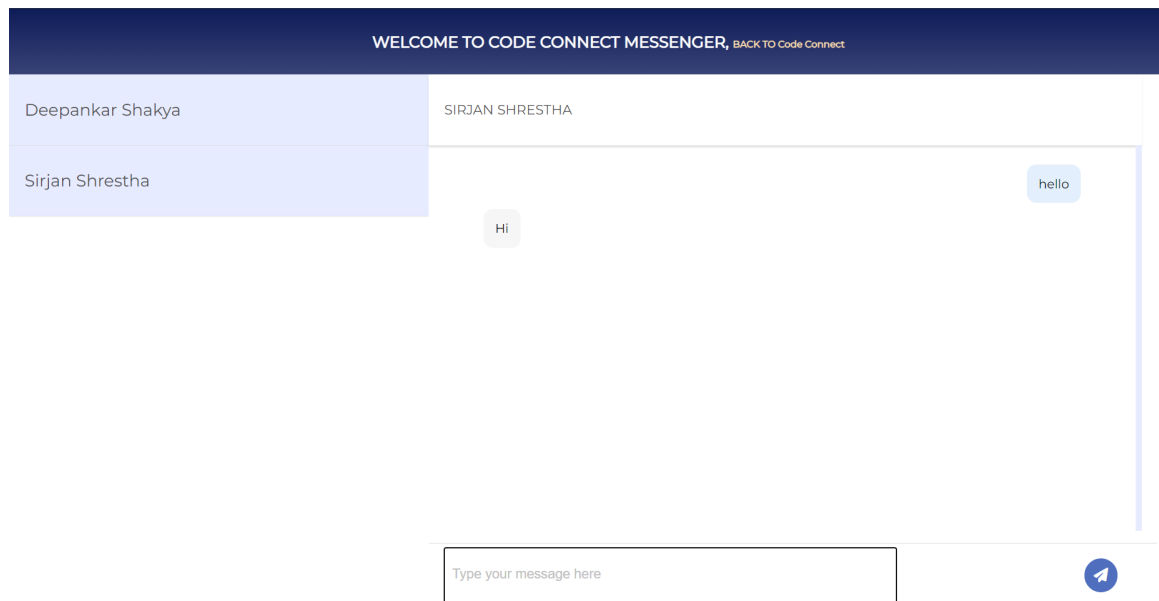


Figure 5.8: Messenger.

5.1.9 Search

”Code Connect” features an efficient search function where users can enter partial user names. As they type, the system dynamically suggests relevant user names that start with the typed letters. These suggestions appear in real-time below the search bar, aiding users in quickly finding and connecting with others. The process enhances user experience by providing instant, tailored recommendations based on the input, streamlining the connection process within the application.

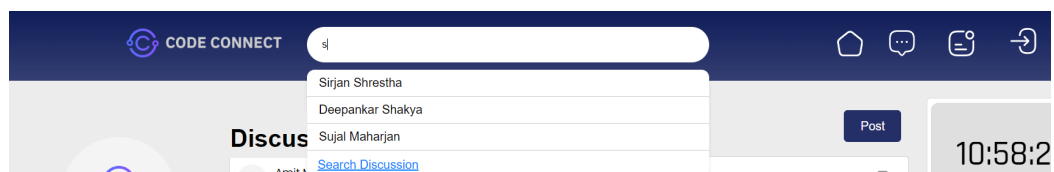


Figure 5.9: Search.

5.1.10 Notification

The image displayed below showcases the notification feature of Code Connect. This tool is designed to keep users informed about important updates and activities. Notifications ensure that users stay in the loop about significant interactions or changes within the platform. By providing these alerts, the notification system enhances user engagement and helps users

effectively stay connected and engaged within the Code Connect community.

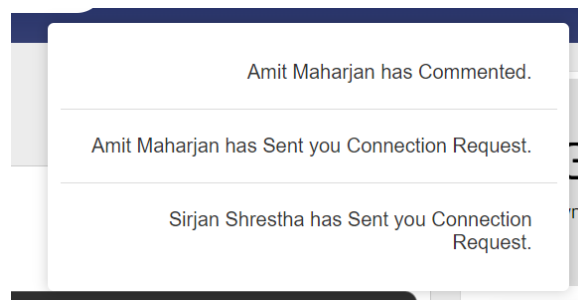


Figure 5.10: Notification.

5.1.11 Post

In the picture, one can see how posts can be created in Code Connect. It resembles writing a message where users can share text and pieces of code. This assists individuals in initiating conversations, showcasing their coding work, and seeking advice from other users. It serves as a means to collaborate and facilitate mutual learning within the Code Connect platform.

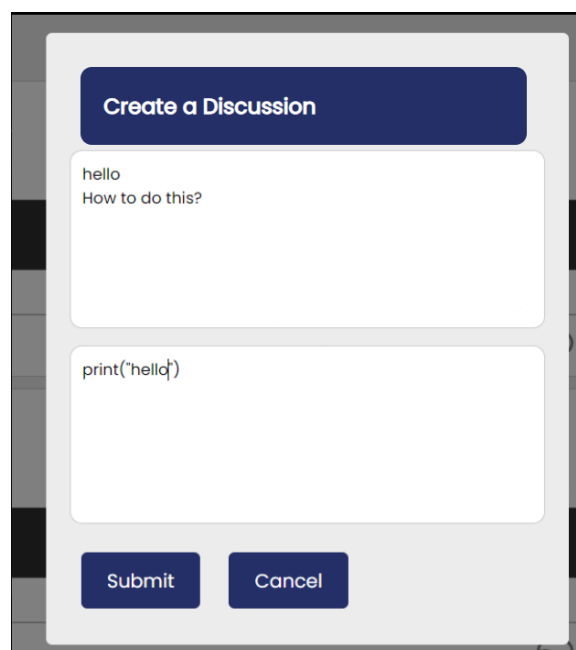


Figure 5.11: Post.

5.1.12 Save Post

The picture below shows how the user can re-visit the posts that is already saved.

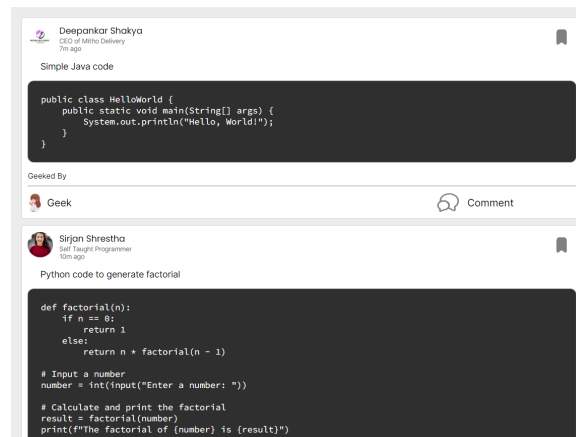


Figure 5.12: Save post

5.1.13 Friends Posts

This picture demonstrate how the user can manage posts so that it only shows the posts from the user's friend.

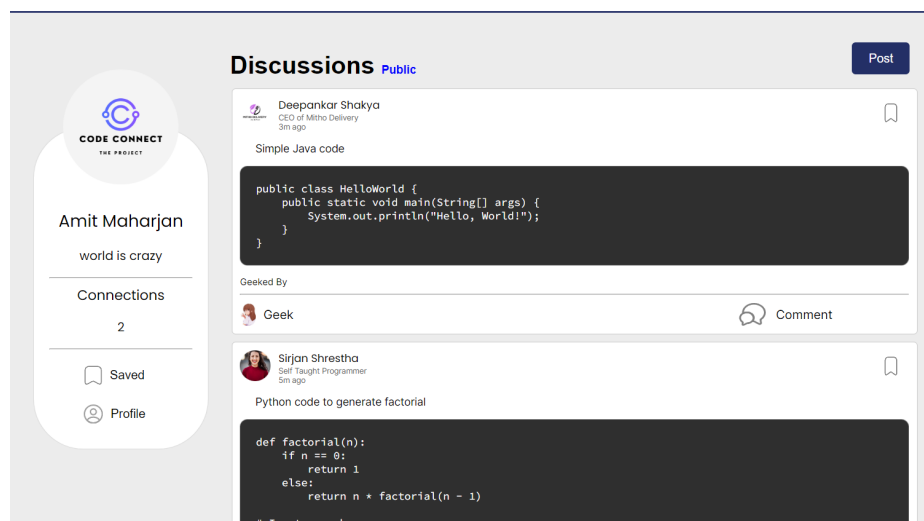


Figure 5.13: Friends posts

5.1.14 Public Posts

This picture demonstrate how the user can manage posts so that it shows the posts of all the users (i.e Public).

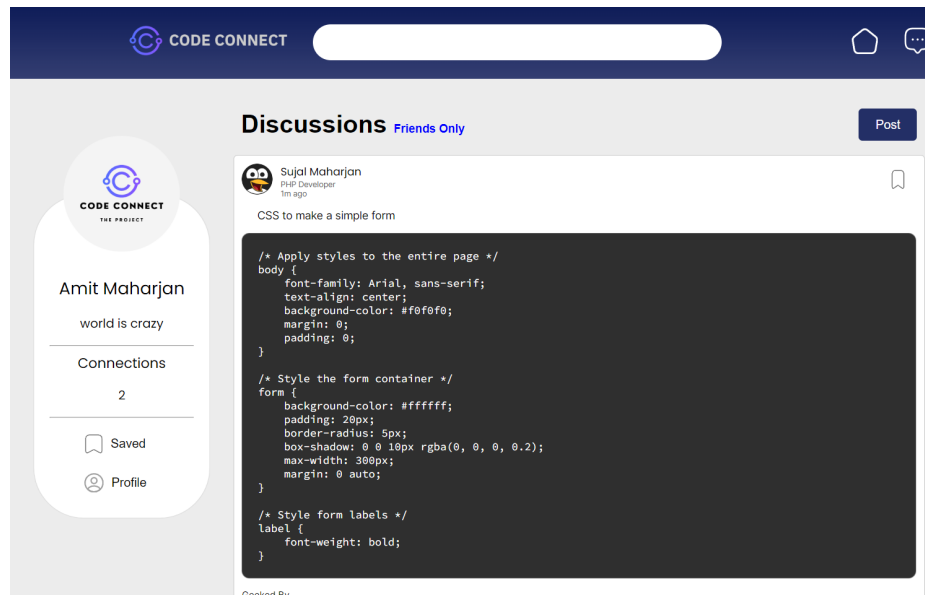


Figure 5.14: Public posts

5.1.15 Profile of other Users

In the image below, one can observe the profile section of other users. This section offers insights into their details, interests, and activities within the platform. By exploring these profiles, individuals can gain a better understanding of each other, their skills, and their contributions, thereby fostering connections and collaboration within the community.

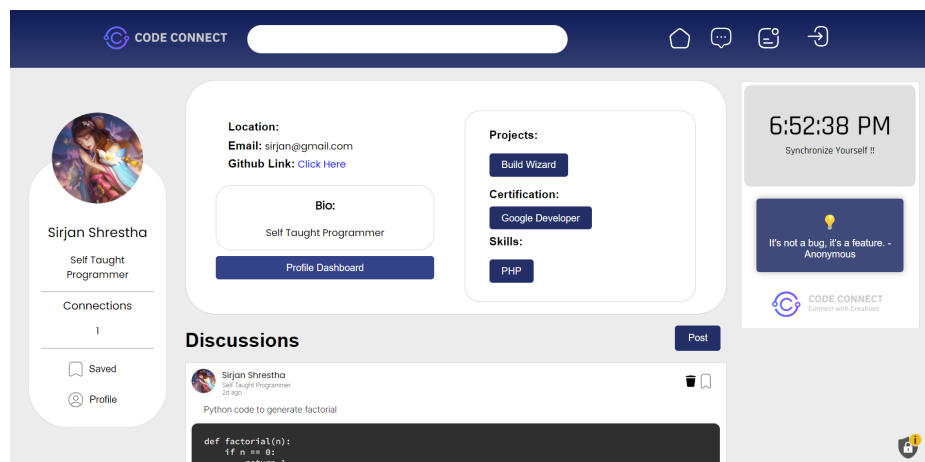


Figure 5.15: Profile of other Users.

5.1.16 Send Connection Request

Sending a connection request is similar to asking another user if they want to connect with them on the platform. It's a way to show that the user is interested in being connected and

sharing things with them. If the other user accepts, they can interact more and collaborate within the platform.

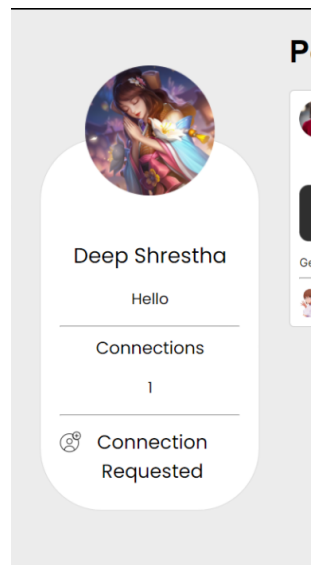


Figure 5.16: Send Connection Request.

5.1.17 Result after connection request is sent

The image below provides an insight into what it's like for another user when they receive a connection request. They'll see a notification indicating that someone wants to connect with them. They can choose to accept the request and commence connecting with the person who sent it.

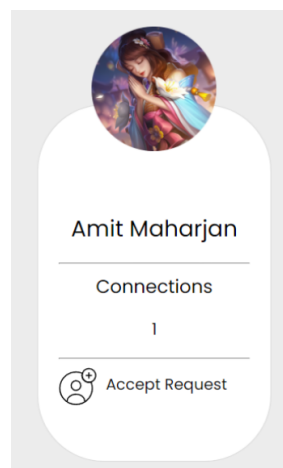


Figure 5.17: Result after connection request is sent.

5.1.18 Connection Request Accepted

If the request is accepted, the user will see a "connected" sign, indicating that they are now friends. The person who sent the request will be added to their list of friends. This simplifies the process of finding and communicating with each other, facilitating collaboration and content sharing within the platform.

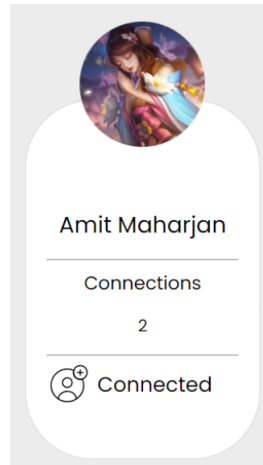


Figure 5.18: Connection Request Accepted.

5.2 Conclusion

In summary, "Code Connect" is a big step forward in creating a user-friendly social networking platform designed for IT professionals and developers. This report has explained the main features of the app, like posting discussions, Geeking, commenting, saving posts, managing profiles, and connecting with others. "Code Connect" is a helpful place where we can share knowledge, work together, and make new connections in the coding world. As we move ahead, how much we use it and enjoy it will show how successful it becomes in helping us learn, connect, and innovate in the tech field.

5.3 Future Recommendations

Here are the some future recommendations we are planning for future of code connect.

- **Implement an Interactive Message System:** Enhance user engagement by developing a more interactive messaging system that supports multimedia sharing.
- **Enable Media Upload:** Provide users with the capability to upload and share Media, enriching the content-sharing experience and expanding multimedia options.