Random Chatting Website

PERSONAL DETAILS

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- **Github:** https://github.com/going-to-create-my-life

CODING EXPERIENCE

- Proficient in WebD. I made this project.
- Fluent in C++ including Object Oriented Programming.
- Familiar with HTML, CSS, Javascript, React, Flask, JQuery.
- Comfortable with github too.

DEVELOPMENT ENVIRONMENT

- Ubuntu 20.04 LTS
- Visual Studio Code

OVERVIEW

Although there are many Random chatting websites, but they are not that much appealing. And there are some more issues which everyone knows due to which only maybe Omegle is no more. So, I am trying to make a website 'rchats' to do random chatting between Roorkee Janta only.

I am well aware that this is a very challenging task but I have set realistic goals considering the time frame of this programme and I am confident that I will be able to achieve them.

GOALS

- **PRIMARY GOALS:**
  - Make a website which take iitr email and verify via otp.
  - Login via google account (Using google login api).
  - Make a realtime chatting server on that website.
  - Connect random two persons, those available on server.
- **SECONDARY GOALS:**
  - **Call feature to that random person whom you are talking.**
  - Give a option to add friend and give the name to your friend as he/she is a random person.
  - Host the website.

DESCRIPTION

It is a random chatting website which connects any two person available on the website, they will be totally unknown to each other and can chats. Further, I can give add friend and call the friend options too in the website later in 2nd stage.
And the website must contain that button of reconnect to, which will be used to connect to any other available person. I will make frontend using HTML, CSS, Javascript, React and JQuery. And will make backend in nodejs.

TIMELINE

- **1-5 Dec:**
  - Design the framework of the project in detail.
  - Search about those package of node which can help in realtime chat.
  - Search and learn more about node using it's documentation.

- **6-10 Dec:**
  - Learn about otp based mail login.
  - Implement otp based mail login.
  - Testing.

- **11-15 Dec:**
  - Learn about api.
  - Search google login api.
  - Implement google login api.
  - Testing.

- **16-25 Dec:**
    - Implement realtime chatting on the website.
    - Add Change option to connect to new person.

- **26-29 Dec:**
    - Give a final touch-up before Mid-Evaluation.
    - Mid-Evaluation.

- **1-5 Jan:**
    - Give Voice and Video call features to that random person to each other.
    - Testing.

- **5-10 Jan:**
    - Give add friend feature, so that you can connect that person again later.
    - Testing.

- **11-15 Jan:**
    - Host the website.
    - Give final touch-up before Final-Evaluation.
    - Final-Evaluation.

CONTEXT

I always had a knack for development and wanted to work on exciting projects and try out new technologies. I find SDSLabs really thrilling, and would be really grateful to work under guidance of mentors. And through this project, I want to give introvert people the extra edge to connect to new person. And Extroverts can meet some new sides of other people.

ABOUT ME

I have always been fond of computers and technology, and firmly believe that computers give us the power to build almost anything we can imagine. For me, programming is like a superpower. I want to build revolutionary technologies that would test the capabilities of machines.

My current interests are Competitive Programming and WebD. In future I would like to dive deeper into Machine Learning and Blockchain too.

My hobbies involves listening songs and mobile gaming. I would love to travel and explore new places, and interact with a lot of people too.