

Video Chatting Website

The demand for virtual video chatting is increasing day by day. A virtual meeting room has significant benefits in the global market where the employees anywhere in the globe can share their ideas without needing to physically present in the company. A social networking site allows friends and families to connect and get in touch with their loved ones. Video conferencing in social networking sites allows friends and families to come together in a chat room and share their voice and video. WebRTC has made video chatting very simple and efficient. WebRTC is a free and open-source project providing web browsers and mobile applications with real-time communication via simple application programming interfaces.

The video chatting website works on the principle of requesting and sending the ICE candidates to server in order to establish a peer-to-peer connection. ICE stands for interactive connectivity establishment. They are used for exchanging information over the server.

This project was developed for the user to have a better video chatting experience with a simple UI. The library known as 'socket.io' was used here. The program also asks the user to grant the permissions for the audio and video of the device which is considered to be a very good practice. The project is hosted on the localhost. A simple video chatting website was developed by using

the concepts of Web development and the server was developed using WebRTC.

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