Research paper summary

1)Development of Chat Application

By:
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This research paper contains the information we have provided to maintain the security and protection of the request for a speech. We have identified many requirements for secure speech and make it more realistic by using modern day techniques and weight to provide speed and good assurance to its customers. XSalsa20 calculator is ideal for mobile phones due to its high security, high performance and battery life. Customers can be sure that no one can read their messages, even if the cell phone gets in the wrong hands, you can't access the app and you can't access local information.

This research paper contains that the chat app provides a better and more flexible program. for discussion. Developed with the latest technology in the way of providing a reliable system. The main advantages of the system are instant messaging, real-world communication, added security, group chat, etc. This app can find the best demand in the market for most organizations that aim to have private applications. Additional features will also be added to the program based on community needs that include conference call, video chat. Location sharing, etc. based on need.
This research paper contains that chat app should be a real-time forum and multi-site for use by many users. The programming language used to build the Node.js server with a clear framework and MongoDB website.

2) Chat Application

By: Manish Kolambe , Saurabh Sable , Venkatesh Kashivale , Prajkta Khaire.

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Today, in this world of social media there are many applications that enable us to share data between people who are distances apart. These social media applications run a variety of platforms. Our project is about a social media application through which we can chat and share files with other people living in different parts of the world which runs on a Desktop. Python programming language and its modules were used in this project. A client-server model and TCP protocol for communication are used in our project. It has a simple GUI interface implemented. Keywords: Chat application, Client-Server model, Social media app, TCP protocol, Multithreading

3) DECENTRALISED CHAT APPLICATION

By
Uma Thakur, Abhishek Chichmalkar, Aditya Sambhare
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When we wanted to buy a product like a watch on the internet, then suddenly we see ads related to the product on Facebook, Instagram, Google, etc this means they are accessing our every information even the messages we send to people on the Internet. There is a growing suspicion that the web is betraying and spying on us. As communication is an important part of an individual's lifestyle, as each person communicates globally with the means of the internet every day and as in today's world, different chat systems are almost working on

centralized systems i.e., all the data is in a centralized server. Therefore, a major problem is if the central server fails then the whole network fails, and due to this major drawback is that there can be a loss of user's data, information, and resources which is stored on the centralized server or even there can be a leak of user's chat information that is stored on the server. Decentralized is the way to resolve this problem, it's an internet hosted via a peer-to-peer network. The information will be distributed and stored around the world on multiple devices like phones, laptops, and even smart appliances. To achieve this, we are using Gun.js, a decentralized graph database that is real-time has Low latency, and also has security, encryption, and authorization for the data.

4) An end-to-end cryptography based real-time chat

By
Tiezer Melos, António Barros, Mário Antunes.
published in School of Technology and Management, Polytechnic of Leiria, Leiria, Portugal 2200175@my.ipleiria.pt.

Encryption is widely used in applications and communications to ensure information confidentiality. Several

group chat applications benefit from the use of some type of mechanism that guarantees the confidentiality of information. Some of the most used message exchange applications were chosen to identify and evaluate the characteristics and encryption mechanisms of these applications, to identify the most suitable ones to be used in the development of the application proposed in this paper