

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Project report on

CALLIFY: VIDEO CONFERENCING APPLICATION

Submitted in partial fulfillment of the requirement for the award of the degree of

Bachelor of Engineering

in

Computer Science and Engineering

by

Aditya Jyoti Sahu

1AY21CS017

Anish Kumar

1AY21CS028

Dalavai Hruday

1AY21CS049

Hanji Ranjan

1AY21CS060

Under the guidance of

Prof. Prashanth Kumar S P

Assistant Professor



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore – 560107
(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Certificate

Certified that the Project entitled “**CALLIFY: VIDEO CONFERENCING APPLICATION**” is a Bonafide work carried out by **Aditya Jyoti Sahu (1AY21CS017)**, **Anish Kumar (1AY21CS028)**, **Dalavai Hruday (1AY21CS049)**, **Hanji Ranjan (1AY21CS060)** in partial fulfillment for the award of degree of **Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi** during the year **2024-2025**. It is certified that all corrections/ suggestions indicated for internal assessments have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the **Bachelor of Engineering Degree**.

Signature of Guide
Prof. Prashanth Kumar
S P
Assistant Professor

Signature of the HOD
Prof. Rajeev Bilagi

Signature of the principal
Dr. Rajeswari

External Viva

Name of the Examiners

Signature with Date

1. _____

2. _____

DECLARATION

We ,Aditya Jyoti Sahu (USN – 1AY21CS017),Anish Kumar(USN – 1AY21CS028), Dalavai Hruday (USN – 1AY21CS049),Hanji Ranjan (USN – 1AY21CS060), students of B.E, Computer Science and Engineering, Acharya Institute of Technology, Bengaluru-107, hereby declare that the project entitled "Callify : Video Conferencing Application" is an authentic record of our own work carried out under the supervision and guidance of Prof. Prashanth Kumar S P, Assistant Professor Department of Computer Science and Engineering, Acharya Institute of Technology, Bengaluru. We have not submitted the matter embodied to any other University or Institution for the award of any other degree.

Date: 19/12/2024

Place: Bengaluru

Aditya Jyoti Sahu	USN 1AY21CS017
Anish Kumar	USN 1AY21CS028
Dalavai Hruday	USN 1AY21CS049
Hanji Ranjan	USN 1AY21CS060

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Aditya Jyoti Sahu (1AY21CS017)

Anish Kumar (1AY21CS028)

Dalavai Hruday (1AY21CS049)

Hanji Ranjan (1AY21CS060)

ABSTRACT

Callify is built using a modern tech stack that enhances its functionality and user experience. The primary framework utilized is **Next.js**, a powerful React-based framework that enables server-side rendering and static site generation, ensuring fast load times and improved SEO. This framework allows developers to create dynamic web applications with ease, making it ideal for a video conferencing platform. To style the application, **Tailwind CSS** is employed, providing a utility-first approach to CSS. This allows for rapid design and customization, enabling developers to create responsive and visually appealing interfaces without the need for extensive custom CSS. Tailwind's flexibility ensures that the UI is not only functional but also aesthetically pleasing, enhancing user engagement.

For user authentication, **Clerk** is integrated into Callify. Clerk simplifies the authentication process by offering features such as social sign-in, multi-factor authentication, and magic links. This ensures a secure and user-friendly experience, allowing users to sign up and log in effortlessly while maintaining high security standards. Lastly, **Get Stream** is utilized for real-time communication features, including video conferencing and chat functionalities. Get Stream's robust API allows for seamless integration of real-time messaging and video capabilities, ensuring that users can communicate effectively during meetings. With its high uptime and reliability, Get Stream enhances the overall performance of Callify, making it a dependable choice for virtual collaboration. Together, these technologies create a powerful and efficient platform that meets the demands of modern remote communication, providing users with a seamless and engaging experience.

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