

## ONLINE VIDEO STREAMING PLATFORM

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### *Abstract—*

The Online Video Streaming Platform (NeonFlix) is a web-based application designed to allow users to stream, search, and watch movies online. Built using HTML, CSS, PHP, and MySQL, the platform supports essential features such as user authentication, content management, and media playback. Admin users can upload and manage videos, while regular users can browse the latest, most viewed, and categorized content. The system ensures a user-friendly interface and real-time access to multimedia content, offering an efficient and accessible solution for online movie streaming and entertainment consumption.

### *Keywords:*

*PHP, MySql, HTML, CSS, Bootstrap*

## I. INTRODUCTION

NeonFlix – The "Online Video Streaming Platform (NeonFlix)" is a web-based application designed to provide users with seamless access to movies and videos. Built using HTML, CSS, PHP, and MySQL, it allows users to stream content, while administrators manage uploads and maintain the video library efficiently.

## II. LITERATURE REVIEW

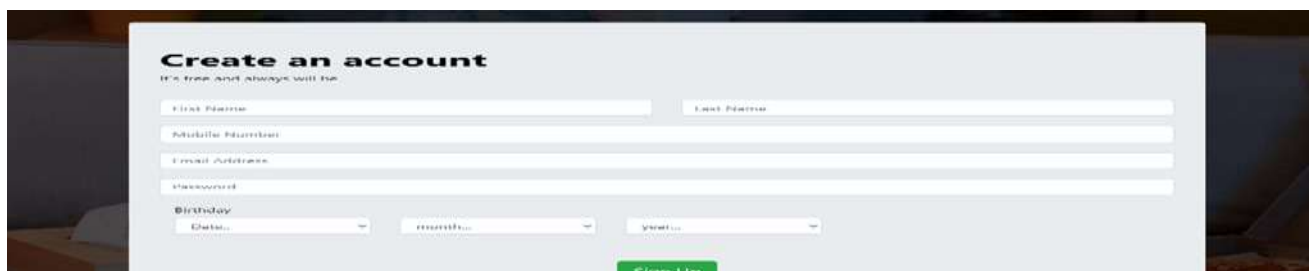
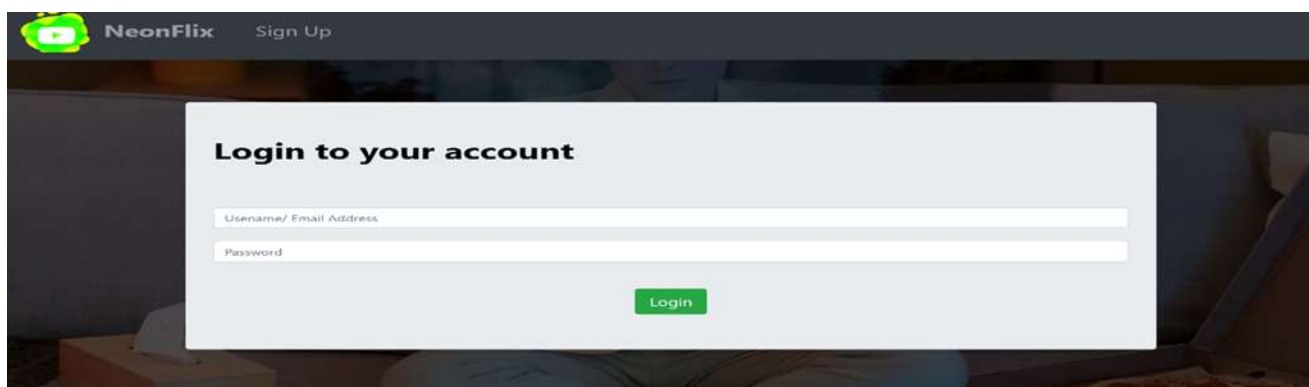
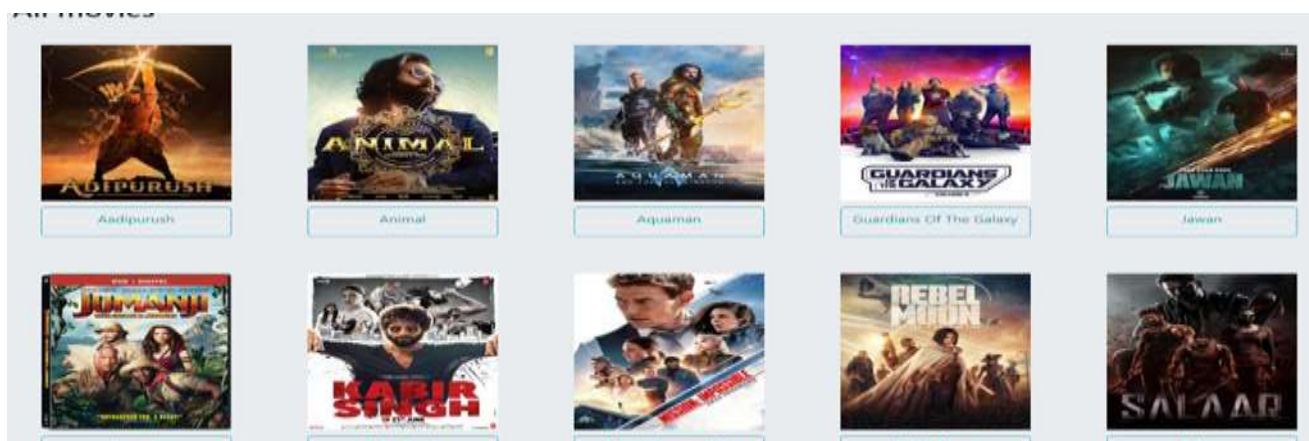
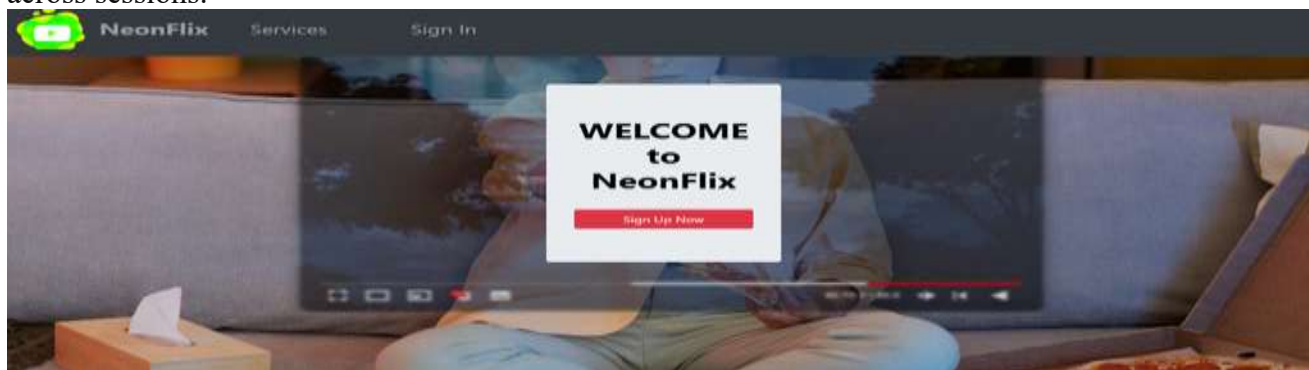
The evolution of online video streaming platforms has transformed how content is distributed and consumed globally. Literature surrounding this domain highlights the increasing demand for digital media delivery systems that are accessible, scalable, and user-friendly. Researchers have explored various architectures and technologies to improve video streaming performance, emphasizing efficient bandwidth usage, low latency, and adaptive streaming techniques. In particular, web-based platforms using PHP and MySQL offer dynamic content management, while HTML, CSS, and Bootstrap contribute to responsive and interactive user interfaces. Studies also point to the significance of user authentication, content categorization, and search functionalities to enhance user experience. Furthermore, the role of administrators in managing content uploads, view tracking, and data security is emphasized in many implementations. The literature consistently underlines the need for platforms that support multimedia management with robust backend systems and intuitive front-end interfaces. The NeonFlix project incorporates these insights to develop a practical, feature-rich video streaming platform that reflects current technological and user engagement trends.

## III. SYSTEM DESIGN

NeonFlix – The system design of the "Online Video Streaming Platform (NeonFlix)" is structured into two main components: the front-end interface and the back-end server. The front end, developed using HTML, CSS, and Bootstrap, provides a user-friendly interface for viewers to browse, search, and stream videos. It includes pages for login, signup, video browsing, and an admin dashboard. The back end, powered by PHP and MySQL, handles user authentication, video uploads, and database management. A centralized database stores user information, video metadata, and access logs. Admins can upload new content, manage user accounts, and monitor platform activity. Uploaded videos are stored in a dedicated server directory, while video details and links are stored in the database. The system follows a client-server architecture, ensuring modularity, security, and efficient handling of streaming content.

#### IV. IMPLEMENTATION

The implementation of the Online Video Streaming Platform (NeonFlix) involved integrating front-end and back-end technologies to deliver a smooth user experience. HTML, CSS, and Bootstrap were used to design a responsive and user-friendly interface. PHP handled server-side scripting, while MySQL managed the storage of user credentials, video data, and metadata. The admin panel allows for secure uploading of movies, including thumbnails and video files, stored in designated folders. Users can register, log in, search for videos, and stream content efficiently. The system also supports displaying the latest uploads and most viewed videos, ensuring dynamic and engaging content delivery across sessions.



## **V. RESULTS**

The NeonFlix - The **Online Video Streaming Platform (NeonFlix)** successfully achieved its primary goal of providing users with a seamless experience to watch and explore movies online. The platform allows users to register, log in, and access a library of video content, including the latest and most viewed movies. Admin functionality enables secure uploading and management of videos and images. The search feature performs efficiently, allowing users to find content quickly. The use of HTML, CSS, PHP, and MySQL ensured smooth integration between the front end and database. Overall, the platform functions reliably and demonstrates the successful implementation of a basic streaming service.

## **VI. CONCLUSION**

The NeonFlix - The **Online Video Streaming Platform (NeonFlix)** project successfully delivers a user-friendly and efficient system for streaming movies and videos online. By integrating technologies such as HTML, CSS, PHP, and MySQL, the platform enables users to register, log in, search for content, and stream videos with ease. Admins have exclusive control to manage video uploads and content updates, ensuring consistent functionality and content delivery. The project emphasizes responsiveness, accessibility, and usability, making it suitable for real-time entertainment purposes. Overall, NeonFlix achieves its goal of creating a basic yet scalable video streaming solution, with potential for future enhancements like personalized recommendations and subscription management.

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