Netflix-Clone

• M O H A N R A A J I B

Introduction

- This project replicates Netflix's core features, including a dynamic home page, user authentication, and movie trailer playback, showcasing the integration of modern web development technologies.

- To create a scalable, user-friendly platform for streaming content.

Problem Statement

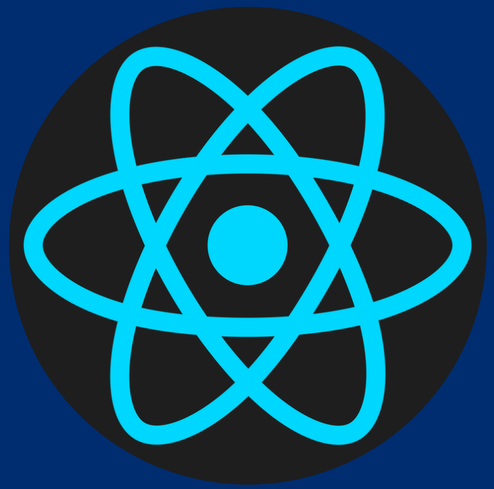
- Building a platform that combines seamless UI/UX design, secure user authentication, and dynamic content delivery.
- Highlight challenges like API integration, responsive design, and efficient state management.

Technology Stack

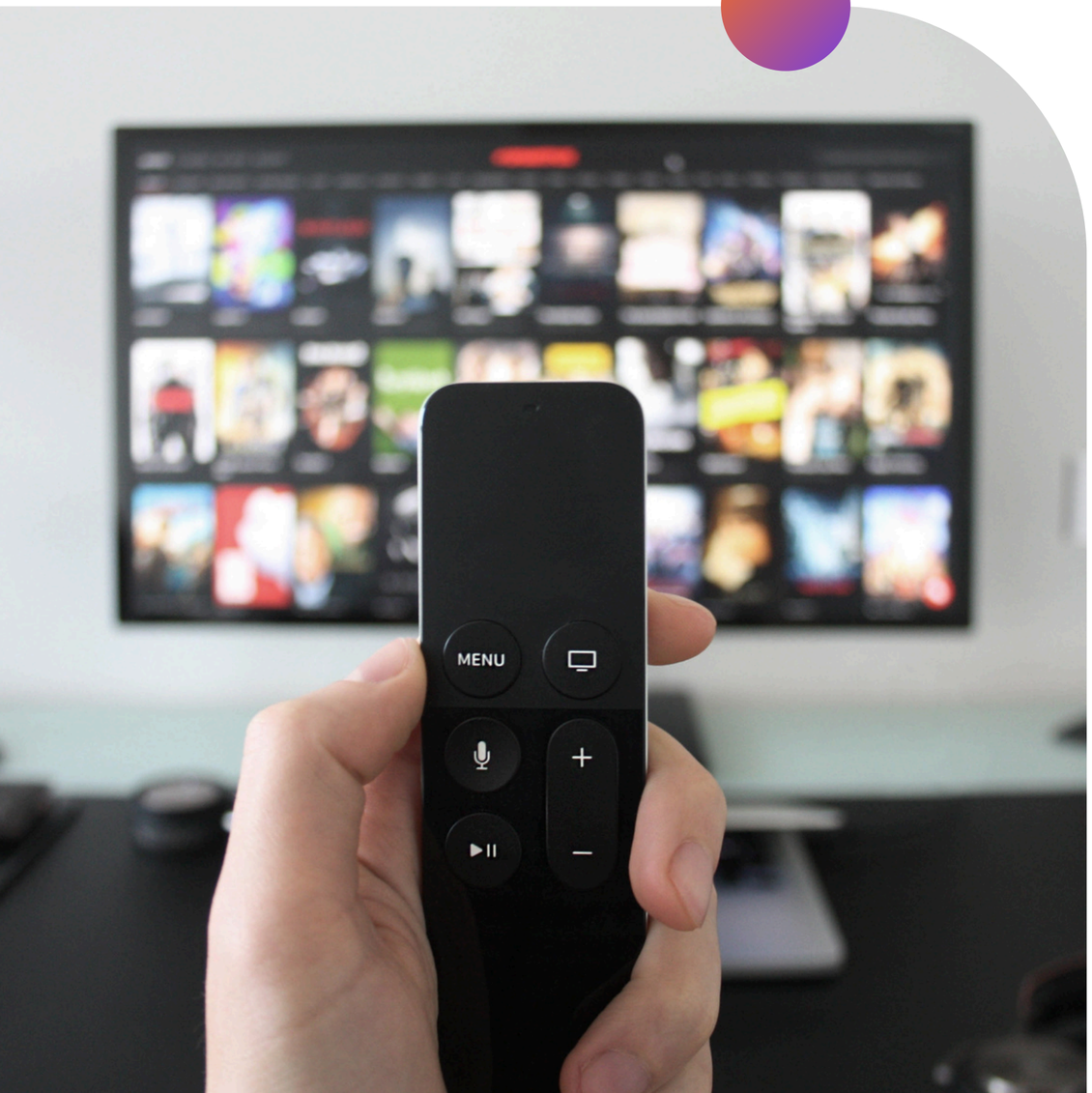
01 **Frontend:** React, React Router, CSS, Vite

02 **Backend** Firebase Firestore, Firebase Authentication

03 **API Integration:** TMDB API for movie data



Features



- **Home Page**: Dynamic movie categories (e.g., Blockbusters, Top Hits).
- **Login/Register**: Secure user authentication using Firebase.
- **Player**: Embedded YouTube trailers fetched dynamically.
- **Responsive Design**: Optimized for devices of all sizes.

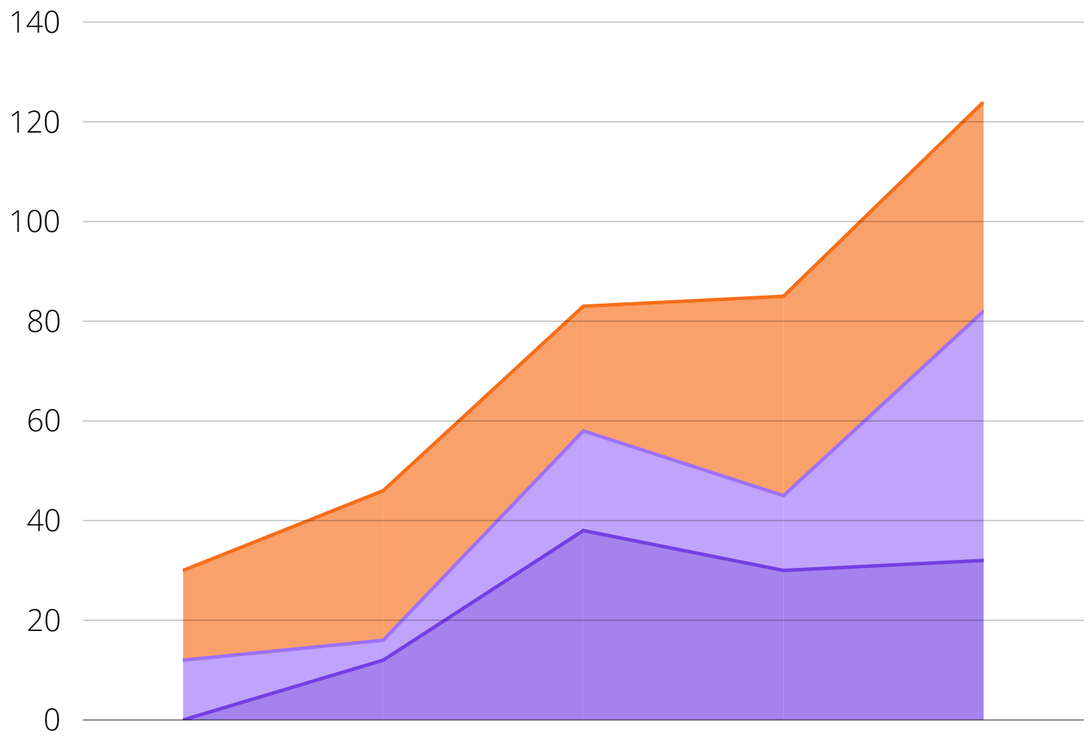
System Architecture

- Frontend components dynamically fetch and display data.
- Firebase Firestore stores user data and supports authentication.
- TMDB API provides real-time movie data.

STUDIO SHODWE

Implementation

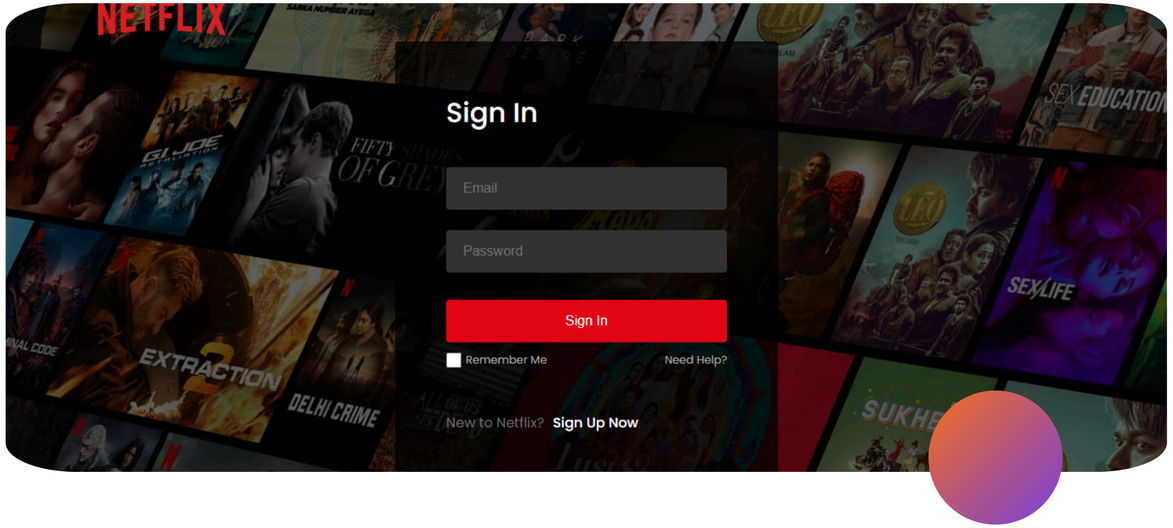
- **Home Page**: Modular components like Navbar, Hero, and TitleCards for rendering content.
- **Login/Register**: Unified page with form validation and Firebase integration.
- **Player**: Fetches and plays trailers using TMDB API and embeds YouTube videos.

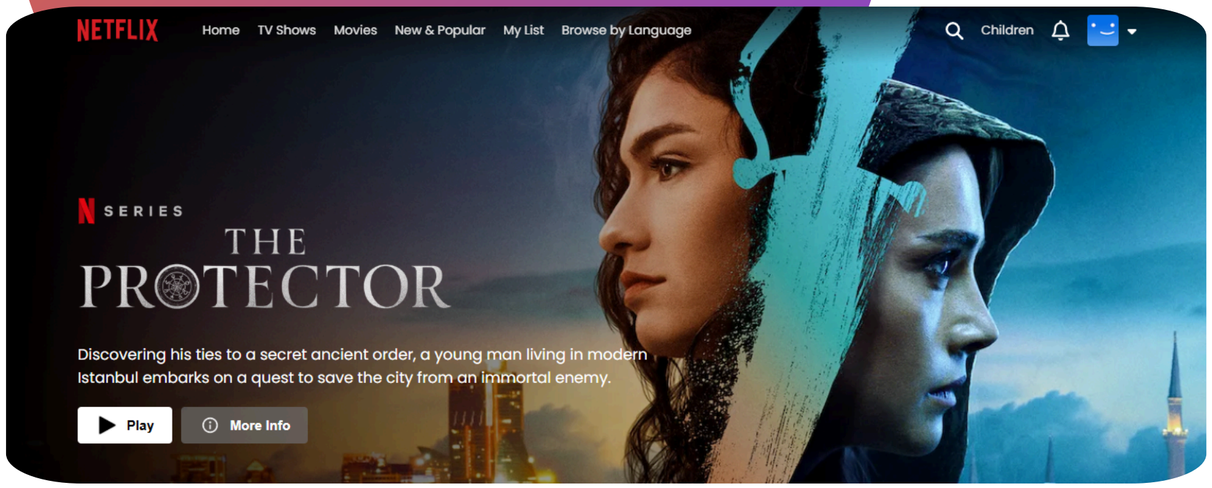


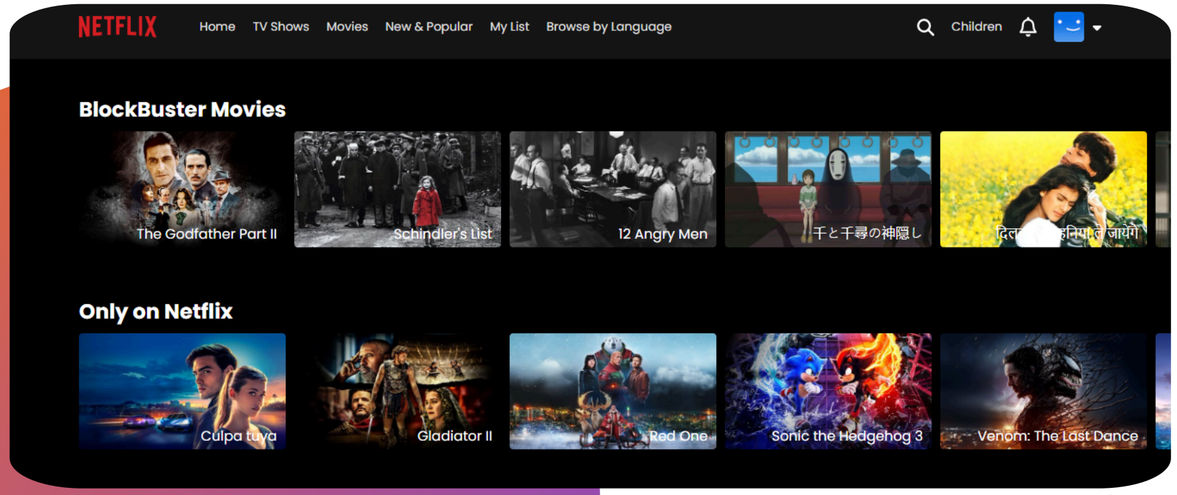
Challenges

- **API Data Handling**: Added fallback mechanisms and error handling.
- **Responsive Design**: Used media queries and CSS flex/grid for consistency.
- **Dynamic Rendering**: Managed loading states and asynchronous operations effectively.

Demo


NETFLIX
Sign In
Email
Password
Sign In
Remember Me
Need Help?
New to Netflix? Sign Up Now


NETFLIX
Home
TV Shows
Movies
New & Popular
My List
Browse by Language
Children
SERIES
THE PROTECTOR
Discovering his ties to a secret ancient order, a young man living in modern Istanbul embarks on a quest to save the city from an immortal enemy.
Play
More Info


NETFLIX
Home
TV Shows
Movies
New & Popular
My List
Browse by Language
Children
BlockBuster Movies
The Godfather Part II
Schindler's List
12 Angry Men
千と千尋の神隠し
Only on Netflix
Culpa tuya
Gladiator II
Red One
Sonic the Hedgehog 3
Venom: The Last Dance


2024-12-07
Special Screenings for Service Members
Featurette

Thank You

- M O H A N R A A J I B