1. Title Page

Project Title: Netflix Bootcamp Web Project
Name: Sumit Mishra
Institution: United College of Engineering & Research, Prayagraj
Course: B.Tech (CSE)

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2. Abstract

This project is a Netflix-inspired web application developed as part of a bootcamp program.
The application replicates the visual style and basic navigation experience of Netflix's homepage and profile details page using HTML, CSS, and JavaScript.
The primary objective is to strengthen front-end development skills, apply responsive design techniques, and practice modular project structuring.
The project successfully delivers a responsive, interactive UI while maintaining clean and organized code.

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5. Introduction

The Netflix Bootcamp Web Project is a front-end development exercise aimed at replicating Netflix's visual identity.
It consists of two main HTML pages — indexx.html (homepage) and profile-details.html (profile page).
The styling is split between styles.css for the homepage and profile-details.css for the profile section.
The JavaScript file script.js handles interactive elements.
This project provided hands-on practice with responsive web design, layout structuring, and DOM event handling.

6. Literature Review

Previous studies and learning exercises show that UI cloning projects are effective for mastering CSS layouts, media queries, and user interaction patterns.
Netflix's interface serves as an excellent model due to its clean design, grid-based layout, and responsive adaptability.
This project builds upon known best practices in front-end design, including semantic HTML, separation of concerns between HTML/CSS/JS, and mobile-first responsiveness.

7. Methodology

Approach:
To replicate Netflix's interface using only front-end technologies and ensure mobile compatibility.

Tools and Technologies:

- **HTML5** – Semantic page structure

- **CSS3** – Styling, grid/flex layouts, responsiveness

- **JavaScript** – Event handling and dynamic UI elements

- **Node.js** – Dependency management via package.json (optional)

Step-by-Step Process:

1. **HTML Structure Creation:** Built indexx.html and profile-details.html with semantic tags.

2. **CSS Styling:** Designed layouts, color schemes, and typography to match Netflix's branding.

3. **Responsive Design:** Used Flexbox, CSS Grid, and media queries to ensure cross-device compatibility.

4. **JavaScript Interactivity:** Added DOM event listeners for navigation and hover effects.

5. **Testing:** Verified layout responsiveness on desktop, tablet, and mobile views.

6. **Project Organization:** Kept separate files for HTML, CSS, and JavaScript for better maintainability.

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8. Results and Discussion

Results:
The Netflix-style homepage and profile details page were successfully implemented.
The design closely mirrors Netflix's original UI and adapts to different screen sizes.

Discussion:
The responsive design ensures a smooth user experience across devices.
Using modular CSS and semantic HTML improved maintainability.
The absence of backend logic limits functionality, but the front-end objectives were met effectively.

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9. Conclusion

The Netflix Bootcamp Web Project demonstrates how HTML, CSS, and JavaScript can be used to create a visually appealing and responsive web interface.
It met its objectives of enhancing front-end development skills, practicing modular coding, and applying responsive design techniques.

Future Work:

- Integrate movie data via an API (e.g., TMDB API).

- Implement search functionality and dynamic content loading.

- Add authentication for personalized profiles.

- Deploy on platforms like Vercel or Netlify.

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10. References

- MDN Web Docs – HTML

- MDN Web Docs – CSS

- MDN Web Docs – JavaScript

- Netflix UI Design Articles and Tutorials