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REG NO.: 22BCE0662

React Movie Search

1. Problem Description:

The goal of this project is to develop a movie wishlist application that allows users to search for movies, view movie details, and manage their favourites list. The application should provide a user-friendly interface and seamless interaction for movie enthusiasts to explore and track their favourite movies.

2. Modules Details and Key Features:

a. Movie Search Module:

- Allows users to search for movies by title.
- Utilizes the OMDB API to fetch movie data based on user queries.
- Provides real-time search suggestions for enhanced user experience.

b. Movie List Module:

- Displays a list of search results or favorite movies.
- Each movie item includes essential details such as title, poster image, and release year.
- Users can interact with movie items to view more details or add/remove them from favorites.

c. Movie Details Module:

- Shows comprehensive details of a selected movie, including plot summary, ratings, genre, and cast.
- Allows users to navigate back to the movie list or add/remove the movie from favorites.

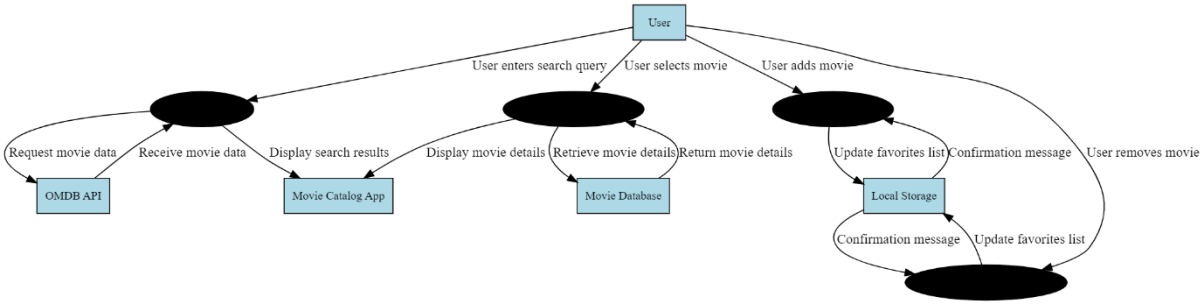
d. Favorites Management Module:

- Enables users to add movies to their favorites list for quick access.
- Provides options to remove movies from the favorites list.

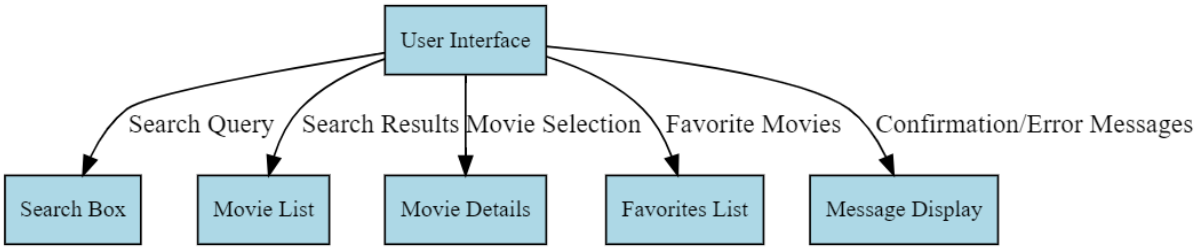
e. User Interface (UI) Enhancements:

- Responsive design for optimal viewing experience across devices.
- Intuitive navigation and clear visual hierarchy for easy exploration.
- Interactive elements with hover effects and click animations for engaging user interaction.

3. Design Layout:



4. User Interface (UI) Design:



5. Appendix:

Code:-

App.js

```
import React, { useState, useEffect } from "react";
import "bootstrap/dist/css/bootstrap.min.css";
import "./App.css";
import MovieList from "./components/MovieList";
import MovieListHeading from "./components/MovieListHeading";
import SearchBox from "./components/SearchBox";
import AddFavourites from "./components/AddFavourites";
import RemoveFavourites from "./components/RemoveFavourites";

const App = () => {
  const [movies, setMovies] = useState([]);
  const [favourites, setFavourites] = useState([]);
  const [searchValue, setSearchValue] = useState("");

  const getMovieRequest = async (searchValue) => {
    const url = `http://www.omdbapi.com/?s=${searchValue}&apikey=263d22d8`;

    const response = await fetch(url);
    const responseJson = await response.json();

    if (responseJson.Search) {
```

```
      setMovies(responseJson.Search);
    }
  };

  useEffect(() => {
    getMovieRequest(searchValue);
  }, [searchValue]);

  useEffect(() => {
    const movieFavourites = JSON.parse(
      localStorage.getItem("react-movie-app-favourites")
    );

    if (movieFavourites) {
      setFavourites(movieFavourites);
    }
  }, []);

  const saveToLocalStorage = (items) => {
    localStorage.setItem("react-movie-app-favourites", JSON.stringify(items));
  };

  const addFavouriteMovie = (movie) => {
    const newFavouriteList = [...favourites, movie];
    setFavourites(newFavouriteList);
    saveToLocalStorage(newFavouriteList);
  };

  const removeFavouriteMovie = (movie) => {
    const newFavouriteList = favourites.filter(
      (favourite) => favourite.imdbID !== movie.imdbID
    );

    setFavourites(newFavouriteList);
    saveToLocalStorage(newFavouriteList);
  };

  return (
    <div className="container-fluid movie-app">
      <div className="row d-flex align-items-center mt-4 mb-4">
        <MovieListHeading heading="Movies" />
        <SearchBox searchValue={searchValue} setSearchValue={setSearchValue}
/>
      </div>
      <div className="row">
        <MovieList
          movies={movies}
          handleFavouritesClick={addFavouriteMovie}
```

```
          favouriteComponent={AddFavourites}
        />
      </div>
      <div className="row d-flex align-items-center mt-4 mb-4">
        <MovieListHeading heading="Favourites" />
      </div>
      <div className="row">
        <MovieList
          movies={favourites}
          handleFavouritesClick={removeFavouriteMovie}
          favouriteComponent={RemoveFavourites}
        />
      </div>
      <footer className="footer">
        <a href="https://siddharth0706.github.io/Portfolio-Project/">
          Visit My Portfolio
        </a>
      </footer>
    </div>
  );
};

export default App;
```

App.css

```
body {
  background: #141414;
  color: #ffffff;
}

.movie-app > .row {
  overflow-x: auto;
  flex-wrap: nowrap;
}

.image-container {
  position: relative;
  transition: transform 0.2s;
}

.image-container:hover {
  cursor: pointer;
  transform: scale(1.1);
}

.image-container:hover .overlay {
  opacity: 1;
}
```

```css
.overlay {
  position: absolute;
  background: rgba(0, 0, 0, 0.8);
  width: 100%;
  transition: 0.5s ease;
  opacity: 0;
  bottom: 0;
  font-size: 20px;
  padding: 20px;
  text-align: center;
}

.footer {
  text-align: center;
  padding: 20px;
  position: static;
  left: 0;
  bottom: 0;
  width: 100%;
  height: fit-content;
  background-color: #27ae60;
  color: #fff;
}

.footer a {
  color: #000000;
  text-decoration: none;
  transition: color 0.3s;
}

.footer a:hover {
  color: #ffffff;
}
```

Components Code:-

AddFavourites.js

```jsx
import React from 'react';

const AddFavourite = () => {
    return (
        <>
            <span className='mr-2'>Add to Favourites</span>
            <svg
                width='1em'
```

```
                height='1em'
                viewBox='0 0 16 16'
                class='bi bi-heart-fill'
                fill='red'
                xmlns='http://www.w3.org/2000/svg'
            >
                <path
                    fill-rule='evenodd'
                    d='M8 1.314C12.438-3.248 23.534 4.735 8 15-7.534 4.736
3.562-3.248 8 1.314z'
                />
            </svg>
        </>
    );
};

export default AddFavourite;
```

MovieList.js

```
import React from 'react';

const MovieList = (props) => {
    const FavouriteComponent = props.favouriteComponent;

    return (
        <>
            {props.movies.map((movie, index) => (
                <div className='image-container d-flex justify-content-start
m-3'>
                    <img src={movie.Poster} alt='movie'></img>
                    <div
                        onClick={() => props.handleFavouritesClick(movie)}
                        className='overlay d-flex align-items-center justify-
content-center'
                    >
                        <FavouriteComponent />
                    </div>
                </div>
            ))}
        </>
    );
};

export default MovieList;
```

MovieListHeading.js

```
import React from 'react';
```

```
const MovieListHeading = (props) => {
    return (
        <div className='col'>
            <h1>{props.heading}</h1>
        </div>
    );
};

export default MovieListHeading;
```

RemoveFavourites.js

```
import React from 'react';

const RemoveFavourites = () => {
    return (
        <>
            <span className='mr-2'>Remove from favourites</span>
            <svg
                width='1em'
                height='1em'
                viewBox='0 0 16 16'
                class='bi bi-x-square'
                fill='currentColor'
                xmlns='http://www.w3.org/2000/svg'
            >
                <path
                    fill-rule='evenodd'
                    d='M14 1H2a1 1 0 0 0-1 1v12a1 1 0 0 0 1 1h12a1 1 0 0 0 1-
1V2a1 1 0 0 0-1-1zM2 0a2 2 0 0 0-2 2v12a2 2 0 0 0 2 2h12a2 2 0 0 0 2-2V2a2 2 0
0 0-2-2H2z'
                />
                <path
                    fill-rule='evenodd'
                    d='M4.646 4.646a.5.5 0 0 1 .708 0L8 7.293l2.646-2.647a.5.5
0 0 1 .708.708L8.707 8l2.647 2.646a.5.5 0 0 1-.708.708L8 8.707l-2.646
2.647a.5.5 0 0 1-.708-.708L7.293 8 4.646 5.354a.5.5 0 0 1 0-.708z'
                />
            </svg>
        </>
    );
};

export default RemoveFavourites;
```

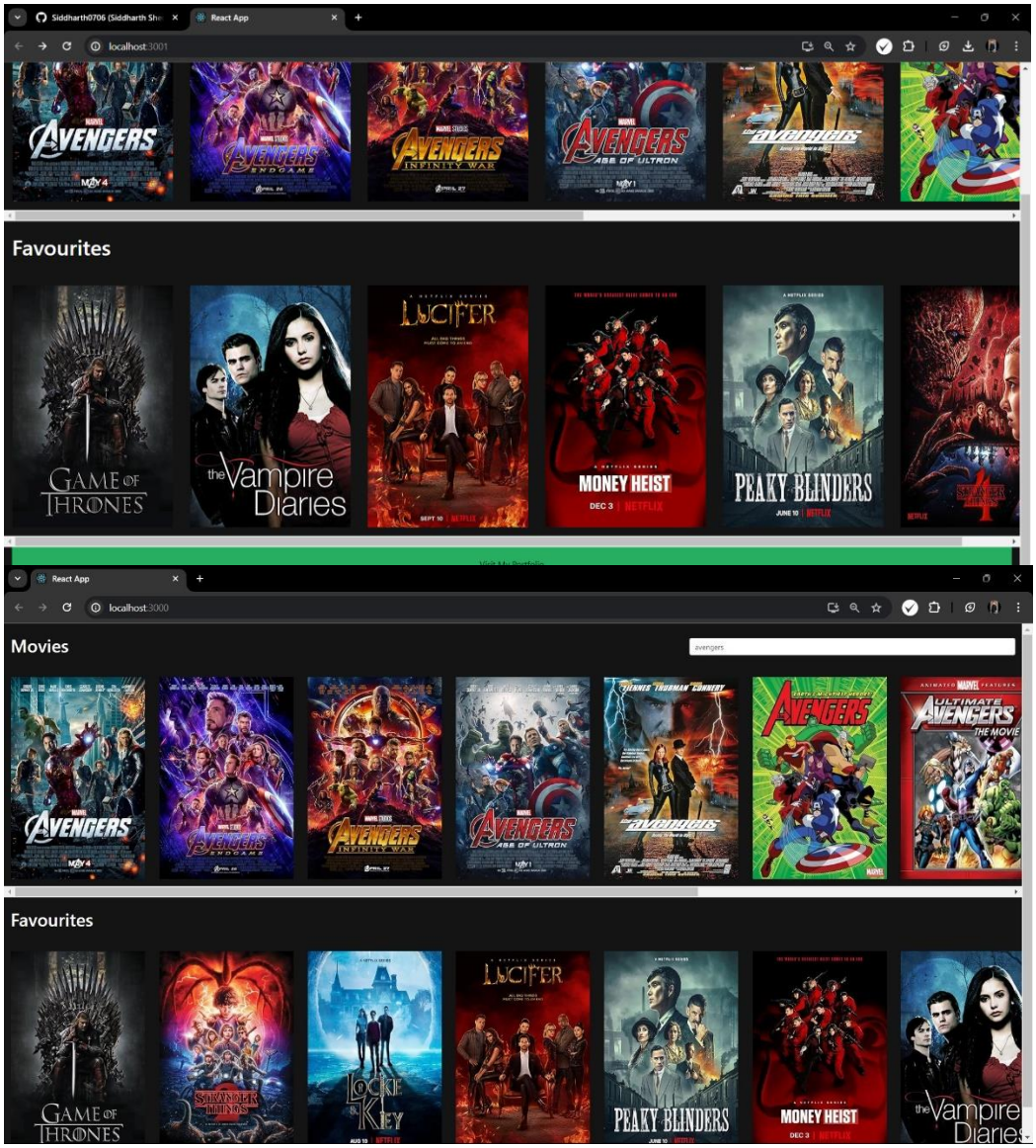
SearchBox.js

```
import React from 'react';
```

```
const SearchBox = (props) => {
    return (
        <div className='col col-sm-4'>
            <input
                className='form-control'
                value={props.value}
                onChange={(event) => props.setSearchValue(event.target.value)}
                placeholder='Type to search...'
            ></input>
        </div>
    );
};

export default SearchBox;
```

OUTPUT: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React App
localhost:3001
Favourites
GAME OF THRONES
the Vampire Diaries
LUCIFER
MONEY HEIST
DEC 3 | NETFLIX
PEAKY BLINDERS
JUNE 10 | NETFLIX
React App
localhost:3000
Movies
avengers
AVENGERS
ULTIMATE AVENGERS THE MOVIE
Favourites
GAME OF THRONES
STRANGER THINGS
LOCKE & KEY
LUCIFER
PEAKY BLINDERS
MONEY HEIST
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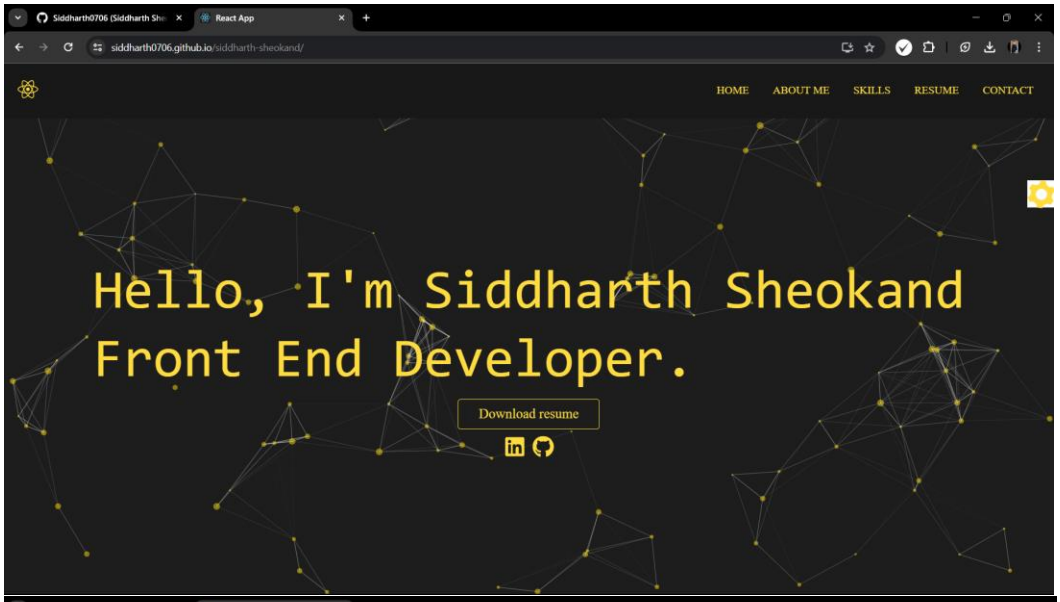
the Vampire Diaries

PORTFOLIO: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siddharth0706.github.io/siddharth-sheokand/
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ABOUT ME
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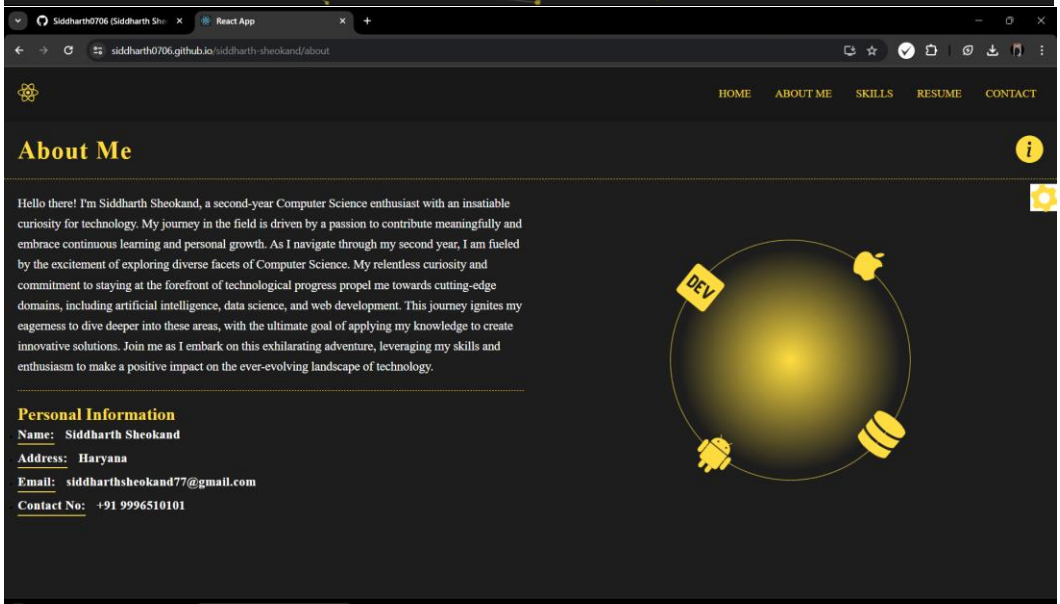
CONTACT
Hello, I'm Siddharth Sheokand
Front End Developer.
Download resume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HOME
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SKILLS
RESUME
CONTACT
About Me
Hello there! I'm Siddharth Sheokand, a second-year Computer Science enthusiast with an insatiable curiosity for technology. My journey in the field is driven by a passion to contribute meaningfully and embrace continuous learning and personal growth. As I navigate through my second year, I am fueled by the excitement of exploring diverse facets of Computer Science. My relentless curiosity and commitment to staying at the forefront of technological progress propel me towards cutting-edge domains, including artificial intelligence, data science, and web development. This journey ignites my eagerness to dive deeper into these areas, with the ultimate goal of applying my knowledge to create innovative solutions. Join me as I embark on this exhilarating adventure, leveraging my skills and enthusiasm to make a positive impact on the ever-evolving landscape of technology.
Personal Information
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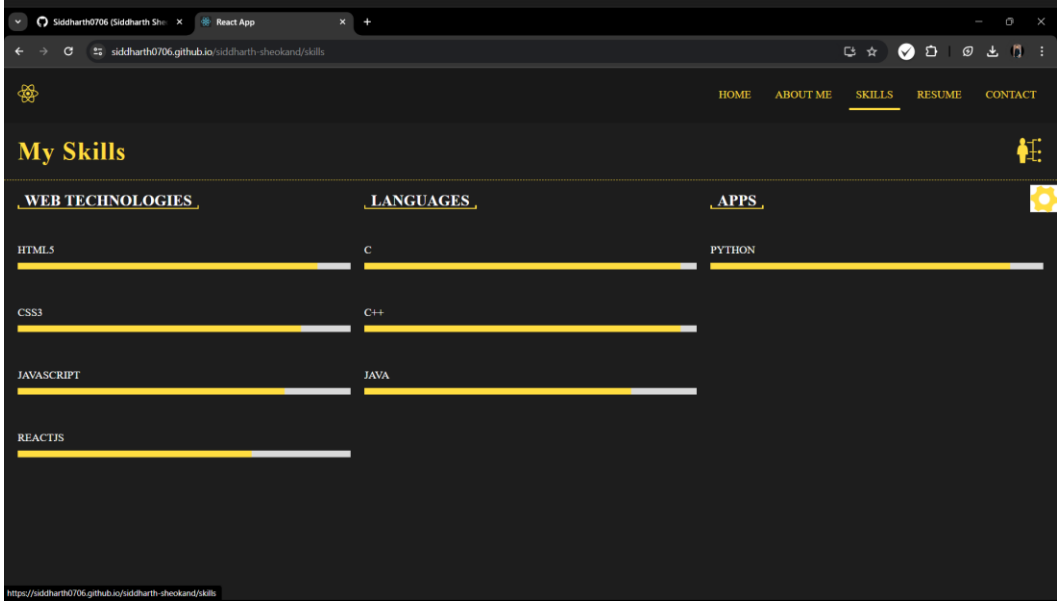
Contact No: +91 9996510101
DEV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C
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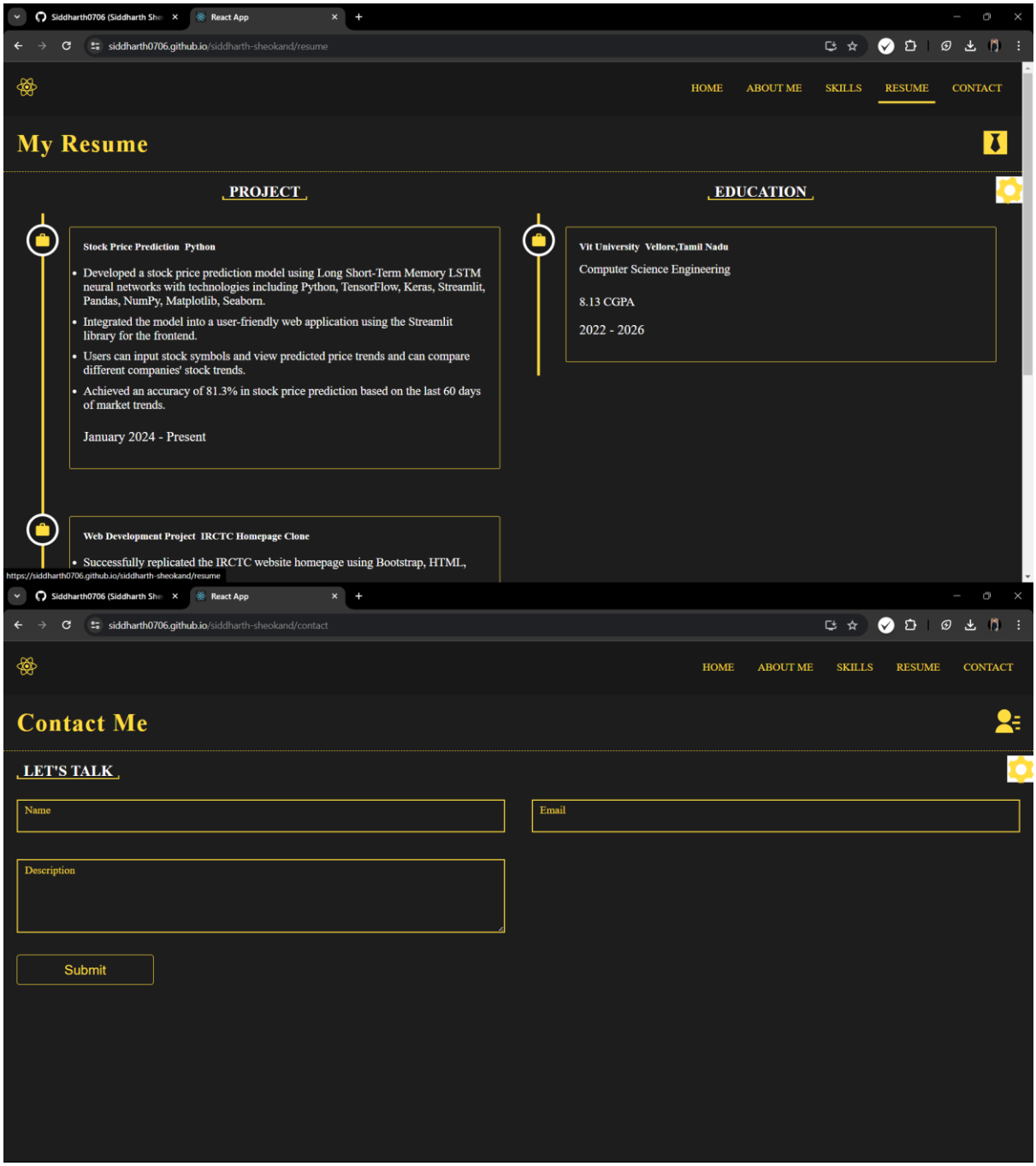

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