

# Ritik Raj

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## EDUCATION

### Lovely Professional University

Bachelor of Technology in Computer Science and Engineering

Jalandhar, Punjab

Oct 2020 – Jul 2024

### Viswasanthi English Medium High School

Higher Secondary (CBSE Board)

Vuyyuru, Andhra-Pradesh

Mar 2018 – Jul 2020

## PERSONAL PROJECTS

### NetflixGpt - AI-Powered Movie Streaming App



- Built a Netflix-style streaming platform with React, integrating **Firestore Authentication**, **TMDB API** for dynamic content, and **OpenAI** for smart GPT-based search suggestions using custom hooks and memoization
- Utilized **Redux Toolkit** for efficient state management and performance optimization, reducing API latency by 25% and improving Performance by 30%
- Designed a **mobile-first, responsive UI** with Tailwind CSS, ensuring over **95% compatibility** across devices with smooth navigation and fast load times
- Deployed securely via **Firestore Hosting**, with reusable components, animated search placeholders, and tested core features using **Vitest** and **React Testing Library**

*Tech Stack: React, Redux Toolkit, Tailwind CSS, Firestore, TMDB API, OpenAI, Vitest, React Testing Library*

### Where-in-the-world - Country detail webpage



- Developed **search and filter features** for an interactive browsing experience with **React** scoring 96+ Best Practices, 92 Accessibility, and 91 SEO on Lighthouse
- Implemented **shimmer loading effect** alongside optimized **data fetching** and **error handling** logic, providing a smooth and user-friendly experience even under slow or failed API responses.

*Tech Stack: HTML, CSS, JavaScript, React, Hooks, REST APIs*

### Personal Portfolio - Showcasing Projects, Skills & Contact



- Designed and developed a **fully responsive** and visually appealing portfolio website using semantic HTML, Tailwind CSS for utility-first styling, and JavaScript for interactivity.
- Followed the **mobile first** design principles for optimal viewing on all devices ensuring smooth animations and a **clean layout** to create a professional user experience.

*Tech Stack: HTML5, CSS3, JavaScript, Tailwind CSS*

## ACHIEVEMENTS

- Top participant in **hackathons** by **Newton School**, Neo, and Virtusa
- Dean's List at LPU (Top 10%)
- Active member of **Innovation Drillers**; conducted various university events

## TECHNICAL SKILLS

**Languages:** HTML, CSS, JavaScript, React, Redux, Tailwind, Firestore, RESTful API

**Tools:** VS code, Atom, XAMPP, Windows, Linux, GitHub

**Others:** Git, npm, Babel, Parcel, OOPs, OS, DBMS

## CERTIFICATIONS

- **The Responsive Web Design** - freeCodeCamp 🌐
- **Sql (Advanced) Certificate** - HackerRank 🌐

Feb 2025

Mar 2025