




# HARSHA VARDHAN GULLA

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## EDUCATION

**BTech Information Technology, Anits**

2020 – 2024 | Visakhapatnam, India

**CGPA:** 8.5/10

**Activities :** Member @ Innovation Club, ANITS

## SKILLS AND EXPERTISE

**Languages:** Java, Python, Javascript, TypeScript

**Technologies:** Spring boot, Object Oriented Programming, Data Structures, Html, Tailwind, CSS, React, Express, Node js, Redux, RESTful Apis

**Databases:** SQL, MongoDB

**Platforms/Tools:** Git, Android Studio, Vscope

## PROJECTS

### Innov8mate

- Spearheaded the development of **Innov8mate**, a **MERN**-based project fostering **collaboration among users**, offering **support for unique ideas**, and facilitating **project collaborations**.
- Leveraged MERN stack and Tailwind CSS to create a dynamic and responsive platform where multiple users can work together on projects, from conception to completion.
- Employed Postman for comprehensive API testing, ensuring seamless integration and robust functionality.

### Youtube Clone

- Implemented **debouncing** in the search functionality to **reduce API calls**, setting a **200ms threshold for enhanced performance**, akin to systems used by platforms like YouTube and Amazon.
- Developed a caching system using Redux to **minimize redundant API requests**, storing search results efficiently for improved application responsiveness.
- Engineered a recursive component architecture for displaying **n-level nested comments**, focusing on scalability and user engagement in dynamic discussion threads.
- Integrated real-time live chat functionality using **API polling every 2 seconds**, ensuring timely communication among users, boosting the app's interactivity and user engagement.

### GoFood

- a dynamic React website powered by **Redux and Redux Toolkit** for streamlined state management. Designed an intuitive UI with **Tailwind CSS**, enhancing user experience while implementing **lazy loading and chunking** via **Parcel** for efficient **page bundling**.
- Integrated **RESTful APIs** to seamlessly fetch restaurant data, optimizing cart functionality for an intuitive shopping experience.
- Leveraged **createBrowserRouter for efficient routing** and single-page application architecture, ensuring swift loading times and enhanced user engagement.

### Netflix-Gpt

- Developed a **React** web application using **Create React App**, integrating **Tailwind CSS** for sleek and responsive UI design.
- Implemented **user authentication with Firebase Auth**, offering various authentication methods for secure user sign-up and login processes.
- Configured **Redux store for state management**, leveraging **userSlice** dispatchers to dynamically display user information such as username and profile. **Integrated OpenAI for Movie recommendations** as per user prompt.

## ACHIEVEMENTS AND CERTIFICATIONS

- completed Full stack development course from **Wipro**.
- Elite certificate from **NPTEL for DSA In Java**
- Solved 600+ DSA problems from leetcode.

## STRENGTHS AND HOBBIES

**Strengths:** Strong team player, project management skills, Problem-solving skills, self-confidence, critical thinking, and leadership skills.

**Hobbies:** Traveling and exploring new cultures, Listening to Music, Playing chess, and Exploring more startup articles.