Nischal Mantri

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Summary

Skilled in building responsive web applications and APIs with modern frameworks. Passionate about learning new technologies and delivering innovative solutions.

Technical Skills

Frontend - React, java Script, Typescript, Tailwind CSS, Next.
Backend - Node, Express, WebSocket.
Database - MongoDB, Firebase.
Programming - C++, java Script, Python, Java(basic), C (basic).
Other - Git & GitHub,

Projects

Ping - Chat Application [Link]

- **Tech Stack:** Next.js, Tailwind CSS, MongoDB, Nodejs, Express, WebSocket.
- Developed a real-time chat application with features like instant messaging, group chats, and chat history using Socket.IO for real-time communication.

Password Manager [Link]

- **Tech Stack:** React.js, Tailwind CSS, Firebase, Nodejs.
- Let's you manage your passwords Safely for various platforms, easy access and representation of the information ready to be accessed.

Zealliance - Fitness Guide [Link]

- **Tech Stack:** React.js, TypeScript, Tailwind CSS, Firebase, Nodejs.
- An all-in-one Fitness app one will ever need, it done calculating BMI, get your calories intake by Logging foods, provides steps + video for various types of exercises, also lets you to log your workout regime.

Achievements

SUS Hacks - Hackathon #3rd Place

    Multi-Modal PDF Similarity Search - A multi-modal RAG application that processes a PDF, extracts both images and text, stores them in a vector database, and performs similarity searches to display relevant results for both images and text.

Hackverse - Hackathon #4th Place

    YouTube Video Search and Optimization Platform - Built a website where users can search for a specific keyword and are given the timestamps where the words are used, also download the video or clips of it, we articulate the video and users can give prompt and get results, content creators can also get a customized AI generated thumbnails, titles for their videos, also suggests no matter the length of the video our website always gives results.

Certifications

- **Full Stack Web Development** Course – Udemy
- Programming, Data Structures and Algorithms using **Python** - NPTEL

Education

Vignan's IIT, Andra Pradesh || Bachelor's Degree in Computer Science Engineering || 2026