Ashok Atragadda

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Overview

Fullstack Developer skilled in **Next.js**, the MERN stack, and Python's Flask framework. Experienced in building seamless, user-friendly applications like music download platforms, dynamic blogs, and lyrics finders.

Passionate about solving real-world problems with technology and continuously improving skills. Strong collaborator with a focus on agile methodologies to deliver high-performance solutions.

Education

Kakinada Institute of Engineering and Technology, CSE - Data Science — Oct 2022 – Present

- GPA: 7.71

Experience

Web Developer, Global Coding Club – KIET, Kakinada — Mar 2024 – Present

- Developed a data-driven website for a client, **Vijay Hatchery** using Next.js and PostgreSQL. Ensured seamless data management and a responsive user interface to meet client requirements.
- Created a user-friendly platform for downloading songs using Next.js, focusing on performance and ease of use.
- Designed and developed a responsive and interactive lyrics finder website with Next.js, providing a dynamic user experience across devices.

Skills

- **Frontend:** HTML5, CSS3, TailwindCSS, React.js, Next.js, Tanstack Query
- **Backend:** Node.js, Express.js, FastAPI, Auth.js
- **Database:** PostgreSQL, MongoDB, Prisma(ORM)
- **Tools and Platforms:** Git, Postman
- **Programming Languages:** JavaScript, TypeScript, Python
- **Other Skills:** Problem-solving, Agile methodologies, Team collaboration, Adaptability

Projects

Audio Vibes — github.com/cygnuxxs/audiovibes

- Search and Discover: Users can search for their favorite songs or artists effortlessly.
- Music Downloads: One-click MP3 downloads ensure a smooth and fast experience.
- Responsive Design: Optimized for desktops, tablets, and mobile devices.
- Performance-Driven Architecture: Leverages Next.js for server-side rendering (SSR) and fast page load times.
- Tools Used: Next.js, Tailwind CSS, ShadCN

Music Recommendation System — github.com/cygnuxxs/mrd

- Personal Recommendation: Using cosine similarity to compare user preferences and recommend similar songs or artists.
- KNN Algorithm: The system uses the KNN algorithm to find the nearest music tracks based on user listening history or preferences.
- Tools Used: Python, FastAPI, React.js, DaisyUI

Lyrics Finder github.com/cygnuxxs/lyrics-finder

- Real-Time Lyrics Fetching: Integrates with the Genius API to fetch accurate lyrics for the searched songs.
- Responsive Design: Optimized for mobile and desktop devices, ensuring users have a smooth experience across platforms.
- Fast and Scalable Backend: Handles API requests efficiently, ensuring quick data retrieval and a responsive user interface.
- Tools Used: Express.js, Node.js, React.js, Tailwind CSS