Harsha Vardhan Polamarasetty

Full Stack Developer

Email: harshapolamarasetty6174@gmail.com
Mobile: +91-9390226752

Linkedin: linkedin.com/in/harshapolamarasetty/
Github: github.com/Harsha0431

PROFESSIONAL SUMMARY

Driven and self-motivated final-year BTech Computer Science student with a passion for full-stack development and a strong belief in learning through hands-on, real-world experience. Skilled in building responsive, real-time web applications using React.js, Vue.js, Node.js, and MongoDB, designed for practical, everyday use. Currently exploring AI and mobile development with React Native, eager to craft user-focused solutions and grow by consistently building what truly matters through experimentation and iteration.

EDUCATION

KL University

Vijayawada, India

Bachelor of Computer Science; GPA: 4.51 (9.5/10.0)

Aug 2022 - Jul 2026

EXPERIENCE

Realfy Oasis

Node.js Developer Intern

Sep 2024 - Nov 2024

- Designed and implemented a **scalable backend** using Node.js, Firestore, and Directus CMS, **offloading content management to reduce backend load** and improve performance with real-time data sync and efficient request handling.
- Built **AI-powered fitness and health tracking** features that analyze user inputs to generate **personalized diet plans and workout suggestions**, significantly enhancing user engagement, retention, and overall application utility.
- Collaborated cross-functionally with UI/UX designers and developers in an Agile team to **plan, develop, and deploy a robust backend infrastructure** aligned with product vision, business goals, and evolving **user-centric requirements.**

PROJECTS

AI News Scraper & Summarizer with TTS

Python, Hugging faces, BERT, Gemini API, Flask, Gradio

Mar 2025 - Mar 2025

- Automated news scraping from Google News, performing cleaning and preprocessing before **summarizing articles with BART-Large-CNN**, achieving 90%+ compression accuracy using **chunking and sliding window techniques.**
- Enforced **sentiment analysis and comparative trend detection** among all scraped news articles across 10+ sources per query using **Gemini API**, featuring **insights and real-time text-to-speech support** in Hindi for broader accessibility

MusiBuzz - Ad-Free Music Streaming Platform

React.js, Tailwind CSS, Django, Spotify API

Dec 2024 - Feb 2024

- Built and launched a **completely free, ad-free music streaming** platform using **React.js, Tailwind CSS, and Django**, seamlessly integrating the **Spotify** API to provide instant access to over 1m+ tracks with a smooth, user-friendly experience.
- Implemented **hybrid (user + content-based) collaborative filtering**, achieving over 85% recommendation relevance, and **reduced average API response times by 35% through strategic caching** and optimized request handling.

ShareWithMe – Anonymous File Sharing Application

React.js, Node.js, Express.js, MongoDB, Firebase

Jul 2023 - Sep 2023

- Engineered a **full-stack web application** for secure, anonymous, and **completely free file sharing**—no login required—**prioritizing user privacy**, simplicity, and ease of access through memorable file IDs for quick retrieval.
- Designed a responsive UI using React, enabling one-click uploads with **optional password protection**. Used **MongoDB and Firebase Storage** for fast, secure retrieval, with a **streamlined architecture** enabling file access in under 3-5 seconds.

SKILLS

- **Front-end**: HTML5, CSS3, React.js, Vue.js, Tailwind CSS, Next.js, React Native, Gradio
- **Back-end & Databases**: Node.js, Express.js, Spring Boot, Django, Flask, MySQL, MongoDB
- **Tools & Other**: Git, Docker, Postman, AppWrite, Directus CMS, PyTorch, scikit-learn, Hugging Face
- **Soft Skills**: Analytical thinking, Communication, Leadership, Contextual understanding, Teamwork, Dependability

CERTIFICATIONS

- Red Hat Certified Enterprise Application Developer
- Salesforce Certified AI Associate
- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional

ACTIVE PROJECTS & OTHER INTERESTS

- **Active Projects:** Building Daily Shelf, a **personal habit tracking app** using **React Native and AppWrite** (open-source BaaS). Inspired by ***Atomic Habits***, it **helps users build and maintain habits by tracking daily activities.** Designed primarily for personal use but open to anyone seeking simple habit management.
- **Other Interests:** Passionate about exploring open-source projects, reading diverse books, learning new technologies, and staying active through sports.