

HARSHITHA C R

Software Engineer

@ harshithacr10@gmail.com [🔗 Portfolio Page](#)

 [harshitha-c-r](#)

 [harshitha-cr](#)

 [harshitha_cr](#)

Summary

Software Engineer with experience across **web development**, **backend engineering**, and **applied AI/ML**. Focused on writing reliable code and understanding systems end-to-end.

Education

New Horizon College of Engineering

2023 - 2027

Bangalore, Karnataka

B.E

CGPA: 9.81

Projects

To-Do List Web App

2025

[🔗 GitHub](#)

- Built a task management application with pure **JavaScript** to practice **DOM manipulation** and **event handling**.
- Implemented full **CRUD functionality** (Create, Read, Update, Delete) for tasks, with data stored locally in the browser

OmniFood

2025

[🔗 GitHub](#)

Live Demo: <https://omni-food-web-page.netlify.app/>

- Built a fully **responsive** and **accessible** Omnifood landing page using **semantic HTML**, **modern CSS**, and **vanilla JavaScript** for smooth, lightweight interactivity.

Sign Language Recognition and Generation System

2025

[🔗 GitHub](#)

- Developed a machine learning system that recognizes Indian Sign Language gestures in real-time using computer vision. Integrated a text-to-sign generation system using static images.
- Trained a model to classify hand gestures from a custom, labelled dataset of ISL signs with over **85% accuracy**.

Two Tower Hybrid Recommender System

2025 - Present

[🔗 GitHub](#)

- Developing a Two Tower Hybrid Recommender System to generate **personalized product suggestions** for the 1M+ review Amazon Electronics 2023 dataset.
- Implementing a two-tower TensorFlow model to combine user embeddings with product metadata, aiming to address **cold-start problem** and enhance recommendation relevance.

Skills

Languages

C++, Python, Java

Web Technologies

HTML5, CSS3, JavaScript, Node.js

Tools & Libraries

Git, GitHub, VS Code, Chrome DevTools, JupyterLab, TensorFlow, Pandas, NumPy, Scikit-learn

Soft Skills

Problem Solving, Adaptability, Attention to Detail