

Hamzah Favad Chhapra

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Summary

A Software Engineer focused on solving problems and creating impactful solutions through technology. Skilled in C++ Programming and Full Stack development using Next.js and Supabase with a commitment to clean code, continuous learning, and adapting to diverse technologies.

Technical Skills

Language: C/C++, JavaScript, Dart, Python

Front End: HTML, CSS, Bootstrap, Tailwind CSS, Next.js, React.js, GSAP

Back End: Node.js, Express.js, Fast API

Database: PostgreSQL, Supabase

Tools: Git, Github, bash, zsh, Figma, Docker

Projects

Finance Manager Program (C++) - [View Project](#)

The *Finance Manager Program* is a console-based C++ application designed to track and manage personal financial transactions. It allows users to add, delete, and view categorized income and expense records, providing a summary of total income, expenses, and net balance. The program incorporates robust input validation and uses file handling for persistent storage, enabling seamless data saving and loading across sessions.

Video Downloader Program (python) - [View Project](#)

Developed a Python-based tool to convert YouTube videos, Instagram Reels, and Pinterest videos into downloadable MP4 format using the yt-dlp library. The program accepts user-provided links, processes the content, and saves the downloaded videos locally in the designated downloads folder. Designed to enhance accessibility for offline viewing, the tool simplifies the process of preserving specific internet videos worth saving.

Personal Website (Front-End) - [View Project](#)

Developed a responsive personal website using modern HTML5 to ensure semantic and clean code. Styled the pages with CSS and Bootstrap to provide full responsiveness across various devices, ensuring optimal user experience. Added interactivity and functionality with JavaScript and Bootstrap components, such as dynamic menus and forms. Leveraged Git for version control to maintain an organized and efficient development workflow.

Education

Manipal University, Jaipur

Bachelors in Computer Application - March 2023 to Present

Certifications

Introduction to Front-End Development – Meta, via Coursera

Completed September 2023

Gained foundational knowledge of HTML, CSS, and JavaScript for building web applications.

Programming with JavaScript – Meta, via Coursera

Completed October 2023

Developed JavaScript programming skills, including functions, DOM manipulation, and basic debugging.

React Basics – Meta, via Coursera

Completed April 2024

Learned foundational React concepts, including components, props, state management, and building dynamic web apps.