

Hayyan Haider

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EDUCATION

University of Manitoba Faculty of Science

Expected 2026

BSc. Major in Computer Science

PROFESSIONAL EXPERIENCE

Mr. Calzone Pembina

Jan 2024 – Jan 2025

Kitchen Staff

- Managed food preparation for a high-volume pizzeria, consistently meeting quality standards while handling multiple delivery platforms.
- Demonstrated efficiency by simultaneously managing in-store, phone, and digital orders during peak hours.
- Executed opening and closing procedures including inventory management, equipment maintenance, and food safety protocols.
- Maintained exceptional customer service while processing 50+ orders per shift during peak hours.

PERSONAL PROJECTS

Study Buddy – An AI Powered Note-taking App (In Development)

Jan 2025 – Present

Collaboration with a **team** to build a smart note-taking app that leverages AI to enhance organization, summarization, retrieval, and test preparation through AI-generated quizzes, flashcards, cheat sheets, etc. Built with React Native, Spring Boot, and MongoDB.

- Developing a **React Native** frontend for a seamless cross-platform experience.
- Building a **Spring Boot** backend with a **MongoDB** database for **scalable data management**.
- Integrating **AI-powered features** to enhance notetaking and organization.
- Collaborating with a team to optimize **UX, performance, and AI integration**.

Algorithm & Data Structure Visualizer ([GitHub Repo](#), [Live Demo](#))

Jan 2025

Developed an interactive web application to visually demonstrate core algorithms and data structures, enhancing learning through dynamic animations and explanations.

- Built in **React**, with animations powered by **Framer Motion** for smooth visualization of operations like insertion, deletion, and searching.
- Integrated a **Spring Boot** backend with a **RESTful API** to dynamically control data structures based on user input.
- Designed a **clean, professional UI** using **Tailwind CSS** for an intuitive user experience.
- Integrated educational explanations to reinforce understanding of data structures and algorithms.

Weather Application with 24-Hour forecasting ([GitHub Repo](#), [Live Demo](#))

Dec 2024

Developed a fully responsive weather app that delivers real-time weather updates and a 24-hour forecast using the OpenWeatherMap API.

- Developed a weather application that provides real-time weather updates and a 24-Hour forecast using the **OpenWeatherMap API**.
- Learned how to integrate **APIs** and store API keys in `.env` and backend for security.
- Enabled searches with **auto-complete features**.
- Built with a **mobile-friendly** interface, including **error-handling**, using React and Tailwind CSS.

Advanced Calculator with History & Memory Tracking ([GitHub Repo](#), [Live Demo](#))

Dec 2024

Built a feature-rich calculator with enhanced usability and customization using React.

- Developed a feature-rich calculator with history and memory tracking.
- Includes scrollable history and memory tabs to allow the user to reuse previous calculations using **React's reducer hook**.
- Implemented a toggle feature for light and dark modes using **React's state hook** and saves user preferences in **local storage**.

VOLUNTEER WORK

ICAS International Model United Nations

Jan 2020 – Mar 2020

IT Lead

- Recruited by my former high school to lead IT operations.
- Led all IT-related functions for Pakistan's largest Model United Nations, and helped it become the largest MUN in the country at the time.
- Designed and managed the official event website using **WordPress**, ensuring seamless user experience.
- Handled **social media marketing**, boosting event engagement and outreach.
- Created promotional materials and **graphics**, maintaining **brand consistency**.
- Provided technical support and troubleshooting for event-related IT needs.
- Collaborated with organizing teams to implement digital strategies for **event management**.

SKILLS

Programming languages: Java, Python, C, C++, JavaScript, HTML, CSS

Technologies and Tools: React, Tailwind CSS, Spring Boot, Node.js, Git, GitHub, Vite, MySQL, MongoDB

Languages: English, Urdu, Punjabi