Harpreet Singh

Computer Science Student | Web Developer

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Education

- Diploma of Computer Science, Langara College, Vancouver 2022-2024

  Relevant courses- OOP, front-end, Backend, software practices, Databases, Algorithms

- Diploma in Full Stack Web development, Langara College, Vancouver 2024-2025
  Relevant courses – Full stack web development.

Projects

1. **ChessApp** [GitHub Repository](#)

   - Developed a real-time multiplayer chess application enabling users to play against each other . Utilized Socket.IO for real-time communication and Docker for containerization, ensuring consistent deployment across environments.

   - Tech Stack: React, Tailwind, Express, redis, Socket.IO, postgres, docker, nginx.

2. **IntelliQuiz** [GitHub Repository](#)

   - Built a web app for students and instructors to generate quizzes using AI. Integrated OpenAI & Adobe API for enhanced quiz content creation

   - Tech Stack: React, CSS/Bootstrap, OpenAI, Adobe api, vitest, github pages.

3. **AudioPlayer** [GitHub Repository](#)

   - Developed a music player with Google login and Firebase authentication. Features song filtering, playback, and a sleek UI with Framer Motion animations

   - Tech Stack: React, Tailwind, Firebase, Node.js, Express.js, MongoDB, Framer Motion.

Tech Stack Experience

- **Front End**: HTML, CSS (Vanilla, Tailwind, Bootstrap), JavaScript, React, Framer Motion.

- **Back End & DB**: Node.js, Express.js, MongoDB, Firebase, MSSQL Spostgres

- **Other Experience**: CI/CD, GitHub and Git, docker, redis, Socket.IO, nginx.

- **Languages**: Java, js, c++, PHP