

Apoorva Bhardwaj

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SKILLS AND QUALIFICATIONS

Programming | Java • JavaScript • NodeJS • HTML • CSS • Python • SQL • ReactJS • ExpressJS • C++ • C#
Technologies | Windows 365 • Linux • Unix • Visual Studio • GitHub • Git • IntelliJ • PowerBI • Word • Excel • PPT • Tableau
Languages | English | Spoken & Written – Fluent • Hindi | Spoken & Written – Fluent • French | Spoken & Written – Intermediate

EDUCATION

Bachelor of Computer Science (Honors Co-Op) **2024 - 2026 (Expected)**
Concordia University, Montreal, QC

- Courses: OOP, Web Development, Data Structures and Algorithms, Operating Systems, Databases, Artificial Intelligence
- CGPA: 3.86/4.30**

VOLUNTEER EXPERIENCE

Frontend Developer ([Website](#)) **Feb 2024 - present**
Welfare Avenue, Montreal, Quebec

- Maintaining and enhancing the organization's website using **ReactJS, JavaScript, HTML/CSS, JSX, and Hooks**.
- Developed an animated, responsive newsletter confirmation page using React and CSS to enhance user feedback.
- Collaborate with developers via **Git/GitHub** to resolve UI issues and improve responsiveness.

PROJECTS

Movie Recommendation Web App with Flask, Pandas & TMDb API ([Github](#))([Website](#)) **May 2025**

- Built a **full-stack Flask** web app recommending top movies using a weighted IMDb-style rating system.
- Cleaned and filtered large-scale movie datasets with **Pandas**; ranked top 10% by vote count and mean rating.
- Integrated **TMDb API** to fetch real-time posters, overviews, genres, and release dates.
- Added **search, genre/year filters, and pagination** for improved user navigation
- Deployed** production-ready app to Railway with **Gunicorn, Procfile**, and secure **environment variable management**.

Montreal Volleyball Club Database System with MySQL (Team Project) **March 2025**

- Designed **ER diagram** and implemented a **16-table MySQL** database with **3NF normalization**.
- Enforced **data integrity** between entities via **8 triggers** for age validation, conflict detection, and CRUD operations.
- Developed stored **procedures** for complex **JOINS** across 5+ tables for real-time analytics.
- Engineered **conflict detection** logic to block overlapping 3-hour assignments.
- Built a fully connected **GUI** for live **CRUD** operations and interactive database management.

Othello Game with Java ([Github](#)) **July 2024**

- Developed a Java Othello game using **OOP** concepts like **inheritance, polymorphism, and abstraction** for **modular** design.
- Implemented robust **exception handling** and **file input/output** procedures to preserve game state.
- Utilized **UML** class diagrams in planning phase to outline software architecture.

Pet Adoption Platform ([Website](#))([Github](#)) **July 2024**

- Designed and implemented a dynamic web platform for pet adoption using **HTML, CSS, JS, NodeJS, Express.js** and **EJS**.
- Implemented **session-based authentication and authorization**.
- Used **media queries** and **mobile-first design** to create a responsive UI.
- Utilized **Node.js** for backend logic, **Express** for routing, and **EJS** for templating.

INTERESTS

Travelling, Photography, Reading, Tutoring, Basketball, Cycling, Cooking, Table Tennis, Story-Based Video Games