# Navroop Singh

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## EDUCATION

**Bachelor of Science (Honours) in Computer Science, Co-op**          Sept. 2023 – April 2028
*Toronto Metropolitan University*                                                                          *Toronto, ON*

**CERTIFICATIONS & SPECIALIZED TRAINING:**

- **Relevant Coursework** – Algorithms & Data Structures, Software Engineering, UI/UX Principles
- **Launchpad Program (DMZ)** – Toronto's leading tech accelerator exposure to technology-driven innovation.

## TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, Java, SQL, Rust
- **Frameworks/Tools:** Git, HTML/CSS, Canva, Power BI, Microsoft Excel, Google Sheets, Google Workspace, WordPress
- **Concepts:** Algorithms & Data Structures, Object-Oriented Programming, SDLC, Agile, User-Centric Design
- **Web & Content Tools:** HTML/CSS, Canva, WordPress, Adobe Creative Suite (basic)

## PROJECTS

**Weather Website | (React.js, OpenWeather API, CSS Modules, Vercel)**          May 2025  – June 2025

- Built a mobile-style weather dashboard using **React.js**, **OpenWeather API**, and **Vercel** to fetch and display real-time current, hourly, and weekly forecasts.
- Integrated geolocation and reverse geocoding to detect user location and fetch relevant weather data dynamically.
- Used **CSS modules** and modern UI components for a clean, responsive design inspired by smartphone weather apps.
- Implemented fallback mock data handling to improve resilience when API access is unavailable or rate-limited.

**Portfolio Website | (JavaScript, HTML/CSS)**          May 2025 - June 2025

- Designing a **responsive and mobile-friendly personal website** to showcase projects, technical blogs, and UI/UX mockups using HTML5, CSS3, and vanilla JavaScript
- Built **modular components** using JavaScript to enable dynamic content rendering (e.g., project filters, light/dark theme toggle, contact form validation)
- Implemented **accessibility best practices**, including semantic HTML, ARIA labels, and keyboard navigation.
- Focused on **user-centric design principles** to enhance engagement, site performance, and visual hierarchy.

**Ride Sharing App | (JAVA)**          April 2024 – June 2024

- Designed and developed a fully functional **ride-sharing application** using **Java** with a focus on **real-time location tracking**, **fare calculations**, and **route optimization**.
- Integrated **Google Maps API** for real-time location tracking, allowing users to see available rides, track routes, and view estimated arrival times
- Developed a **user authentication system** that supports both driver and rider logins with secure data encryption and

session management.

· Implemented a **fare calculation algorithm** based on **distance, time**, and **traffic conditions**, ensuring accurate pricing and timely notifications for both riders and drivers.

## RELEVANT WORK EXPERIENCE

**Tutor - STEPS to Excellence Tutoring Program**                                  Sept 2023 – Jan 2025
*Kipling Collegiate Institute*                                                                      *Toronto, ON*

· Delivered **one-on-one and group academic support** in **math, science, English, and coding**, creating a **positive learning environment** and tailoring instruction to **diverse student needs**.

· **Communicated regularly** with teachers and staff to share **student progress** and coordinate **support strategies**, reinforcing a **team-based approach** to **student success**.

· Strengthened students' understanding of **foundational concepts** and improved their **academic performance** through **personalized guidance**.

· Recognized by the Program Coordinator for professionalism, empathy, and clear communication **(reference available)**

**Mental Health Club Digital Marketing Lead**                                  Sept 2023 – On going
*Toronto Metropolitan University*                                                             *Toronto, ON*

· Created **inclusive**, **data-informed digital campaigns**, increasing **student engagement** by 45% and improving awareness of **campus mental health resources**.

· Designed and distributed **monthly newsletters** and **event communications** using **Google Suite** and **Canva**, ensuring **accessible formatting** and **consistent branding**.

· Led **peer-facing digital workshops** on **study skills**, **exam stress**, and **time management**, helping students build **confidence** and **resilience**.

· **Collaborated** with executive team members and stakeholders to align **mental health initiatives** with **student needs** and institutional goals, using **data analytics** to refine strategies