

Harkirat Singh

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SUMMARY

Final-year BTech (Honours) Software Development student with hands-on experience in **Software Development, Web Development, App Development, UI/UX Design, Data Analysis, IT Support, and Automation**. Experienced in **Cloud Platforms, Scripting, and Data-Driven Decision Making**. A quick learner with **problem-solving skills**, eager to contribute to a dynamic team during **Winter 2026** term.

SKILLS

- **Technical Skills:** Power BI, Power Automate, Flow, AWS, Azure, VMware, API integrations, PC/Server hardware
 - **Programming Languages:** Python, C, C++, JavaScript, TypeScript, HTML, CSS
 - **Web Development:** React.js, Next.js, Node.js, Express.js, Flask, Angular.js, Bootstrap, WordPress
 - **Mobile Development:** React Native, Expo, Firebase Authenticator, Kotlin
 - **Databases:** MongoDB, MySQL, PostgreSQL, Oracle, Microsoft SQL Server, Firebase Firestore, Azure Data Studio
 - **IT & System Tools:** Azure DevOps, Docker, Jira, Visual Paradigm, Virtual Machines, Linux, Agile, Scrum, Kanban, Figma
 - **Networking & Security:** Network protocols (HTTPs/TCP/UDP), Debugging, API security, Authentication

WORK EXPERIENCES

Software Developer Co-op – Information Technology Services, Seneca Polytechnic

Toronto, ON | May 2025 – Aug 2025

- Led the successful **version migration** of legacy **Angular** applications, enhancing **performance**, **maintainability**, and **compatibility** with modern frameworks.
 - **Redesigned** and **modernized UI** components to ensure full **mobile responsiveness** and improved accessibility across devices.
 - Developed a custom **Node.js API** to integrate Seneca systems with **BorderPass**, automating data retrieval from **Google Sheets** and exporting it to CSV format.
 - Managed code repositories using **Azure DevOps**, including creating pull requests and enabling collaborative code reviews.
 - Used **Azure Data Studio** to verify data integrity and changes during development and integration.
 - Participated in **testing** and **quality assurance** of different Seneca applications to ensure functionality and reliability.

Team Lead – Prince St. Pizza

Toronto, ON | Nov 2023 – Present

- Led a team of 15 employees, improving service quality and customer satisfaction for over **300 customers daily**, resulting in a **25% increase in positive feedback**.
 - Managed **inventory** and optimized task coordination, reducing operational delays by **20%** and increasing efficiency.

Software Developer Intern – EPHEC

Brussels, Belgium | June 2024 – July 2024

- Selected to represent **Seneca Polytechnic** internationally as part of the **Faculty Led Program Abroad** at EPHEC, Belgium.
 - Developed "**The Pisslin' Guide**", a restroom locator app, using **React Native**, **Expo Go**, **Google Maps API**, and **Firebase**.
 - Collaborated with a **diverse team** from **Belgium** and **Denmark**, achieving **second place** in a competitive project showcase.

EDUCATION

Honours Bachelor of Technology in Software Development – Seneca Polytechnic

Toronto, ON | Jan 2023 – Aug 2026 (expected)

- **Cumulative GPA: 3.8/4 (1x President's Honours List)**
 - **Key Coursework:** Software Development, Cross-Platform App Development, Web Development, Object-Oriented Programming, Front-End and Back-End Development, Database Management, Project Management.

PROJECTS

[Portfolio Website](#) | JavaScript, React, Next.js, Express.js, Node.js, Tailwind CSS, Formspree | [Live Demo](#) | [GitHub](#)

- Developed a personal portfolio site with **Next.js** and **React**, highlighting projects and skills, optimized for **performance** and **SEO**.
 - Implemented **responsive design** with **Tailwind CSS** to ensure optimal user experience across all devices.
 - Implemented **server-side rendering (SSR)** for faster initial load times and better search engine visibility.

Metropolitan Art Explorer | JavaScript, React, Next.js, Node.js, Bootstrap, Vercel | [Live Demo](#) | [GitHub](#)

- Developed a platform for exploring art and museum artifacts with **advanced search**, **favorites**, and **search history management**.
 - Optimized app performance using **lazy loading**, reducing initial load time by **40%** and improving **user retention**.
 - Deployed on **Vercel** with **responsive design** optimized for both mobile and desktop environments.

The Pisslin' Guide | React Native, Expo, Firebase Firestore, Google Maps API | [GitHub](#)

- Built a mobile app to help users **locate**, **rate**, and **review** public restrooms, with an **interactive map** and **filter options**.
 - Integrated Firebase Firestore to enable **real-time data storage** and **secure user authentication**.
 - Prioritized **accessibility** by displaying nearby restrooms using **geolocation** and **distance tracking**, enhancing user convenience.