

# Harkirat Singh

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## SUMMARY

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

## TECHNICAL SKILLS

- **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
- **Databases:** MongoDB, MySQL, PostgreSQL, Oracle, Microsoft SQL Server, Firebase Firestore
- **IT & System Tools:** Docker, Kubernetes, Jira, Visual Paradigm, Virtual Machines, Linux, Agile, Scrum, Kanban, Figma
- **Networking & Security:** Network protocols (HTTPs/TCP/UDP), Debugging, API security, Authentication
- **Scripting & Automation:** Python scripting, BeautifulSoup, Data parsing

## WORK EXPERIENCES

**Software Developer Co-op** – Information Technology Services, Seneca Polytechnic Toronto, ON | May 2025 – Present

- 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.
- **Collaborated** with **cross-functional teams** to gather technical and functional requirements, delivering **scalable solutions** aligned with institutional objectives.

**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**, 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 Honour 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, Formspreet | [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.
- Deployed seamlessly on **Vercel**, leveraging automated CI/CD pipelines to ensure reliable and up-to-date production builds.

**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.