

# HARKIRAT SINGH

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## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, HTML, CSS, Tailwind CSS, JavaScript, TypeScript
- **Web Development:** React.js, Next.js, Node.js, Express.js, Flask, Bootstrap, WordPress
- **Mobile Development:** React Native, Expo, Firebase
- **Databases:** MongoDB, MySQL, PostgreSQL, Oracle, Microsoft SQL Server
- **Design Software:** Figma, Adobe Creative Suite (Illustrator, Photoshop, InDesign)
- **Version Control and Tools:** Git, GitHub, Beautiful Soup, VS Code, PyCharm, Docker, Jira, Swimlane, Visual Paradigm, Agile, Scrum, Kanban, Linux, Virtual Machines

## PROFESSIONAL EXPERIENCE

### Cross Platform App Development Intern – EPHEC

Brussels, Belgium | June 2024 – Jul 2024

- Selected by Seneca to represent them abroad as part of the Faculty Led Program Abroad (FLPA) at EPHEC, Belgium.
- Utilized React.js, Expo Go, and Firebase to develop "The Pisslin' Guide," an innovative app designed to help users find restrooms.
- Collaborated with students from Belgium and Denmark, securing second place out of seven teams in a competitive project showcase.

### Shift Leader – Prince St. Pizza

Toronto, ON | Nov 2023 – Present

- Led a team of about 15 members daily to ensure consistent quality and serve more than 300 customers every day.
- Collaborated effectively with kitchen staff, fostering a positive and productive work environment.
- Managed inventory and coordinated tasks to ensure timely preparation and service.

### Student Ambassador – Seneca Polytechnic

Toronto, ON | Jan 2023 – Dec 2023

- Acted as a primary point of contact, providing exceptional customer service to prospective students during Open Houses.
- Collaborated with college staff to organize and execute events, ensuring a smooth and welcoming experience for all attendees.
- Utilized strong communication skills to answer questions and provide support to visitors, enhancing their overall experience.

## EDUCATION

### Honours Bachelor of Technology – Software Development – Seneca Polytechnic

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

- **Cumulative GPA:** 3.8/4 (1x President's Honour List)
- **Specialization:** Software Development | Client and Server-Side Development | Object-Oriented Programming | Database Management | Software Development Life Cycle (SDLC) | Android Development | Linux System

### CS50x – Harvard University

Online | May 2022 – July 2022

- Acquired foundational and intermediate skills in Scratch, C, Python, HTML, CSS, JavaScript, SQL, and Flask by completing ten problem sets and one final project.
- Developed "Space Fighter", a 2-D game as my final project, using the Pygame library in Python, demonstrating proficiency in game development and object-oriented programming.

## PROJECTS

### The Pisslin' Guide – Restrooms Locator Mobile App (Cross-Platform)

- Developed a comprehensive application for locating and reviewing restrooms using React Native, Expo and Firebase incorporating map integration and user accounts.
- Key features include proximity-based restroom access, user reviews, community-driven postings, and custom map markers.
- Demonstrated strong problem-solving and teamwork skills throughout the project, delivering a user-friendly and innovative solution.

### Space Fighter – PC Game (Windows/Linux/macOS)

- Developed a 2-D game using the Pygame library, featuring interactive gameplay with sound effects and graphics.
- Designed and implemented various controls and game elements, enhancing user engagement and overall experience.
- Created an age-friendly and intuitive game environment, demonstrating strong skills in game development and user interface design.

### Museum Art Search Website – Website for Art Exploration

- Designed and developed a comprehensive platform for searching and exploring art and museum artifacts, featuring user authentication and advanced search functionalities.
- Implemented front-end development using Next.js, ensuring a responsive and scalable user experience.
- Integrated back-end services with Node.js and Express, allowing secure data storage and personalized user interactions.