

# HARSH PATEL

Software Developer | Web Developer

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## EDUCATION

### COMPUTER PROGRAMMING

January 2023 – August 2024

Seneca Polytechnic, Toronto, ON

- CGPA: 3.8/4.0 with 4/4 GPA in 3<sup>rd</sup> Semester [**President Honor List**]

## TECHNICAL SKILLS

- **Programming Languages:** JavaScript(ES6+), C, C++ (OOP), Python (DSA), HTML
- **Web Technologies:** NodeJS, ExpressJS, React, NextJS, RestAPI, Redux, JWT, Git, GitHub, JSON, JQuery.
- **Database Management:** Oracle, SQL Database, PostgreSQL, ETL, MongoDB, NextAuth.
- **Testing Method:** Jira, Agile methodologies (Scrum/Kanban), Test and Product Design, Software Development Life Cycle(SDLC), Software Testing Life Cycle(Test planning to execution with reports).
- **Application:** Windows, Unix/Linux, VS Code, SQL Server Management Studio, Visual Paradigm, Discord.

## EXPERIENCE

### SUPERVISOR / TEAM LEAD

April 2023-Present

Subway at SickKids Hospital, Part-time, Toronto, ON

- Analyzed existing processes and **identified bottlenecks**, implementing targeted solutions that boosted task **completion rates by 25%**, while also fostering a culture of continuous improvement within the team.
- Resolved 15-20 weekly customer complaints with compassion and professionalism, maintaining a 98% satisfaction rate among customers.
- Optimized inventory management with 98.55% accuracy, leading to an 82% reduction in waste and more efficient supply orders.

### JUNIOR WEB DEVELOPER

2021– 2022

Mikkaso Corporation, Contract, India

- Developed interactive web applications using Next.js, resulting in a 30% increase in user satisfaction metrics through intuitive design and seamless navigation experiences.
- Created mock designs and wireframes for 3 new products landing page, complete with detailed documentation to guide development teams.
- Enhanced data handling efficiency by 19% by implementing efficient components for improved performance.

## PROJECTS

*</>SenecaCode (Tech Stack: React, Next.js, Node.js, MongoDB, NextAuth, Jira) [[GitHub](#)] [[Preview](#)]*

- Developed and executed a comprehensive project plan to deliver a full-stack web application for 50 developers within a **tight 4-day timeframe**, surpassing expectations at the **Hackathon event**.
- Implemented advanced security measures by integrating **NextAuth** for authentication, resulting in a significant **reduction of page load times by an impressive 42%**.
- Achieved optimal performance levels by **resolving all bugs** and **validating routes** through rigorous **Postman testing**, resulting in a **12% increase in overall performance metrics**.

*Museum Art Explorer (Tech Stack: React, Next.js, Node.js, MongoDB, RestAPI, Git) [[GitHub](#)] [[Preview](#)]*

- Implemented a personalized recommendation algorithm, boosting **user retention by 33%**.
- Deployed a **mobile-responsive design** for the app, resulting in a 60% increase in user accessibility and engagement.
- Utilized React Context **userAPI** to streamline data fetching process, reducing load times by 1/3<sup>rd</sup>, verified through performance monitoring tools (**LightHouse**).

*LegoSets Collection (Tech Stack: Node.js, Express.js, MongoDB, PostgreSQL) [[GitHub](#)] [[Preview](#)]*

- Streamlined automated **CRUD operations**, resulting in a **82% increase in user productivity**.
- Enhanced application performance by optimizing database queries, reducing buffer times by 30% for users with large Lego sets collections.
- Collaborated with **cross-functional teams** to conduct user testing and gathered feedback for iterative improvements, resulting in a **65% increase in user satisfaction**.

*School Management System (Tech Stack: C++, Oracle SQL) [[GitHub](#)]*

- Led a team to create a Student-Faculty Management System for **100 users**.
- **Boosted query efficiency by 37%**, enhancing administrative task performance.
- Ensured security measures for **data integrity and confidentiality**.