NITYA PATEL

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HIGHLIGHT OF QUALIFICATIONS

- **Software Engineering (Co-op)** student at McMaster University with a strong academic record and hands-on technical project experience.
- Proficient in Python, Java, C, HTML, CSS, JavaScript, Git/GitHub, with experience in Linux environments.
- Developed strong leadership, teamwork, and organizational skills through roles in GDG, STEM Club, and Student Council.
- Passionate about technology, accessibility, and innovation, with strong problem-solving and analytical abilities demonstrated through projects like Chord Hero and coursework.

EDUCATION

Bachelor of Software Engineering   **Sept 2024 – April 2028 (Expected)**
McMaster University, Hamilton, ON

- **Software Development:** OOP (Java), Software Development Basics & Design Principles, Git version Control
- **Data Structures & Algorithms:** Big-O analysis, trees, graphs, hash tables, various sorting algorithms
- **Computer Systems:** Memory management, C programming, Computer Architecture, Digital interfacing
- **Discrete Mathematics:** Logic, proofs, graph theory, combinatorics

PROJECTS

Chord Hero – Accessible Guitar Learning App   **Mar 2025 – Apr 2025**
Team Project, McMaster University

- Engineered a **Python + Pygame** prototype application to help users, including those with Usher syndrome (visual and hearing impairments), learn guitar with visual and audio cues.
- Implemented high-contrast visuals, screen reader prompts, and sliding chord/tab animations for rhythm-based learning.
- **Awarded Second Place at the First-Year Engineering Showcase Project.**

EXPERIENCE

Conferences Operations Coordinator   **Sept 2025 – Present**
Google Developer Group (GDG)

- Plan and coordinate hackathons, workshops, and mini events, maintaining a positive participant experience by managing logistics and addressing inquiries.
- Collaborate across teams to ensure smooth communication and event operations.

Cashier   **Aug 2022 – Dec 2023**
A&W Restaurant

- Delivered fast, friendly, and accurate service in a high-paced environment.
- Handled cash transactions efficiently and maintained store cleanliness.
- Developed communication and multitasking skills while providing quality customer service.

STEM Club   & Student Council   **Sept 2021 – June 2024**
Crocus Plains Regional Secondary School

- Took initiative in coordinating and promoting STEM and school events, fostering greater student involvement and leadership.
- Drove outreach efforts through effective teamwork to strengthen community engagement and support the club's mission.

SKILLS

Technical Skills: Python, Java, Git, GitHub, C, Linux Programming, Verilog code, HTML/CSS, JavaScript, MATLAB, C#, Visual Basic, Monogame, AutoCAD, Microsoft Office, Graphic Design (Adobe Illustrator)
Soft Skills: Problem Solving, Critical thinking, Teamwork, Communication, Time Management, Organization
Languages: English, Gujarati, Hindi