Ottawa, ON
neelpatel4@cmail.carleton.ca

Neel Patel

https://github.com/notneelpatel
https://notneelpatel.github.io/portfolio

Availability

- **Available for a Co-op position from May 2024 to Dec 2024**

Languages, Skills, and Technologies

- **Languages:** Python, Java, C, ARM Assembly, BASH, HTML, CSS, JS, React JS, Firebase
- **Software:** Vim, VSCode, Git, Photo/Video Editing, Azure ALM, LaTeX, UML
- **Linux:** Debian/Ubuntu, Arch, Fedora, nix-env, Raspberry Pi

Employment

Jr. Test Analyst, Co-Op/FSWEP	Immigration, Refugees, and Citizenship Canada	Summer 2023

- Meticulously executed 500+ test cases to ensure reliability of applications used by 10 000+ Government employees
- Attended meetings to share insight on bugs and explanations
- Obtained proficiency in tools like Microsoft Azure DevOps

Jr. Software Developer, High School Co-Op	NorthStar Utilities	Winter 2020

- Used Java arraylists and java.properties to standardize .properties files, automating manual cleanup of customer documents.
- Gained skills in Git, Java, and Docker

Education

Ottawa, ON	Carleton University	Fall 2021 - Spring 2026

- B.Eng in Computer Systems Engineering, Co-op
- 3rd Year Standing, 10.58/12 CGPA (A-)
- Coursework: Computer Architecture, Object-Oriented Development, Data Structures, Algorithms, Real-Time Systems, Digital Systems, Calculus III, Technical Writing

Projects

- **AI Raspberry Pi Bamboo Plant** (2023). Uses a water sensor and a local LLaMA instance writing a speech about neglecting to water a plant. Python, Linux
- **Midi Search** (2022). BASH command-line interfaces that searches and downloads MIDI files from archive.org. BASH
- **Albums Database** (2022). Website that uses Spotify API and JSON to parse data of albums with search filters. HTML, CSS, JS, Python, JSON
- **Team Leader, ECOR 1041: Data Management** (2021). Python command-line interface that analyzes and organizes a dataset of books. Python, CSV

More projects can be found at https://notneelpatel.github.io/portfolio#Projects

Additional Experience and Awards

- **Discover Technata Hacks 2023, 3rd Place:** Created a data-driven business plan for more sustainable data centres using IoT, 5G, and AI.
- **Deans Honour List (2022):** Maintained a GPA of A
- **Lord Strathcona Medal (2021):** Highest award that can be bestowed upon a Cadet

Extracurricular Activities

- **Development Team (2022 - Present):** Assembled a team of classmates to create an agile environment to create a social media using React JS and Firebase
- **Royal Canadian Army Cadets (2015 - 2021):** Demonstrated leadership, disciplinary and organizational skills through the vital positions of Drill Sergeant Major, Drum Major, and Instructor.