

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

Availability

- Available for a Co-op position from Jan. 2024 to Dec. 2024

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

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

- **Deans Honour List (2022)**: Maintained a GPA of A
- **Lord Strathcona Medal (2021)**: Highest award that can be bestowed upon a Cadet

Languages 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
- **Linux**: Debian/Ubuntu; Arch; Fedora; nix-env; Raspberry Pi

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.