

# Neelaksh Gupta

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## EDUCATION

### Carleton University

Ottawa, ON

*Bachelor of Computer Science, Honours — Double Minor in Statistics and Mathematics*

*Sept. 2023 – Apr. 2028*

- **Relevant Coursework:** Abstract Data Types & Algorithms, Intro to Software Engineering, Statistical Modeling II (Winter 2025), Discrete Math II, Multivariable Calculus (Fall 2024), Linear Algebra II, Calculus II (Summer 2024)

## PROJECTS

### Coffee Tracker | *React, JavaScript, HTML, CSS, Firebase*

Jan. 2024 – Apr. 2024

- Designed and implemented a fully responsive web application to help users monitor coffee consumption and caffeine intake, resulting in **150+ active test** sessions and improved user awareness of daily caffeine thresholds (400mg/day).
- Built modular **React components** for tracking daily intake, expenses, and cumulative caffeine levels, enabling accurate intake logging with real-time updates under **200ms** via state-driven UI rendering.
- Integrated **Firebase Authentication** to support secure account creation and login for **20+ unique users**, and connected **Firebase Realtime Database** to ensure **live cross-device data synchronization** with zero reported sync issues during testing.

### Netflix Clone | *Vue.js, JavaScript, YouTube Embed API*

April. 2024 – Mar. 2024

- Developed a fully responsive Netflix-inspired web app using Vue 3, showcasing trending titles via TMDB API; loaded 10+ movie and show cards **dynamically** with average **<300ms render times**.
- Implemented interactive trailer playback using the **YouTube Embed API**, with modals expanding to display HD trailers for **95%+** of listed titles, improving user preview experience.
- Implemented scrollable, auto-snapping content rows with custom navigation arrows and smooth transitions, enhancing binge-browsing UX and **increasing on-page engagement time**.

### Pokédex | *React, JavaScript, HTML, CSS, Firebase*

Jan. 2024 – Apr. 2024

- Created an interactive Pokédex that **dynamically fetches** and displays Pokémon stats, types, abilities, and evolution chains using the **PokéAPI**.
- Reduced API traffic by **25%** through **intelligent local caching**, and **filtered query logic**, improving data efficiency and minimizing redundant network requests.
- Engineered a click-to-expand move preview system that displays detailed descriptions using **asynchronous fetch calls** and modal overlays, improving interactivity and information depth.

## LEADERSHIP EXPERIENCE

### Lead Software Developer

May 2025 – Present

*Mapped Out – Intelligent Travel Planning Startup*

*Ottawa, ON*

- Spearheading the design and development of a collaborative, **AI-assisted** travel planning platform tailored for group trips, optimizing itinerary generation, budgeting, and **real-time synchronization**.
- Built a flexible activity management system supporting both **API-fetched** and custom user-generated events, with automatic cost updates and export to CSV/Excel-compatible formats.
- Reduced planning friction by **40%** through the development of live-editable itineraries, synced cost breakdowns, and automated update propagation across users.

### Grocery Stocker Team Lead

Aug 2023 – Aug 2024

*Food Basics*

*Gorgetown, ON*

- Led nightly store closing procedures, including backroom cleanup, inventory reconciliation, and secure lock-up, ensuring end-of-day compliance and operational readiness.
- Coordinated with delivery drivers and receiving staff to **streamline stock intake**, reducing restocking time by **15%** and minimizing floor congestion during peak hours.
- Resolved customer inquiries and shelf-related issues on the floor, consistently upholding **store merchandising standards** and delivering **high-quality service** under time-sensitive conditions.

## SKILLS

**Programming Languages:** C, C++, CSS, HTML, Java, JavaScript, Python, SQL

**Frameworks & Libraries:** Node.js, React, Vue.js, Express.js, JavaFX

**Databases:** Firebase Realtime Database, MySQL