

NAVYA AHUJA

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Education

McMaster University

Sep. 2023 – May 2028

Bachelor of Software Engineering

Hamilton, ON

- Relevant Courseswork: OOP Programming, Software Design, Data Structures and Algorithms, Computer Architecture
- Awards: 3rd Place Wealthsimple - Kids' Digital Banking Challenge (ElleHacks 2026)

Technical Skills

Languages: Python, Java, C, HTML, CSS, JavaScript, TypeScript, Bash, Spring Boot

Frameworks/Libraries/Tools: React, Next.js, D3.js, Pandas, Unix/Linux, Git, GitHub, Jira

Databases: PostgreSQL, MongoDB, SQL Server

Cloud Infrastructure: Azure (AKS, Functions, Storage), GCP (GKS, GCE, BigQuery), AWS

Experience

DevOps Engineer Co-op

Sep 2025 – Present

EllisDon

Mississauga, ON

- Led migration of workloads from VMs to **Kubernetes** on **AKS** deployed with **Argo CD**, and standardized **CI/CD pipelines** improving deployment consistency and operational scalability
- Improved cluster visibility for **300+ services** by building Python tooling to surface Kubernetes metadata via Slack
- Drove **40%** projected **cloud cost reduction** by analyzing **Azure** usage trends and executing **VM, memory, storage, and instance** right-sizing initiatives, with savings realized within the fiscal year
- Eliminated multi-day manual workflows by automating **BigQuery IAM** provisioning across **200+ tables per dataset** and migrating **80+ repositories** using gcloud and GitHub APIs, reducing turnaround time from days to minutes
- Improved observability capabilities for developers by integrating Datadog Debugger tooling into **30% of all containerized microservices** in the company's infrastructure

Projects

Finity | *Next.js, Typescript, Tailwind CSS, Gemini API*

January 2026

- Won **3rd Place** at **ElleHacks 2026 (Wealthsimple Kids' Digital Banking Challenge)** by building a full-stack **Next.js** financial literacy app for school classrooms with **15+ missions** and a real-time supply-demand marketplace
- Built **4 RESTful APIs** with **3s polling** to sync pricing and leaderboards across **8+ concurrent client views**
- Implemented compound growth visualizations and an **LLM chatbot** with **2s latency** and **10-message context**

Rescue Drone Mission | *Java, Apache Maven, JSON, GitHub Actions, Kanban*

March 2025

- Built a **Java**-based drone control system with radar sensing and photo scanning to autonomously locate emergency sites and landing areas using **JSON** terrain data, simulating drone navigation under search-and-rescue constraints
- Applied **Object Oriented Programming** and **SOLID** principles to create reusable classes for command handling, and decision-making enabling efficient navigation and scalable integration of additional drone features
- Created **UML** diagrams and technical documentation to communicate system design and module responsibilities

Simplifi Chrome Extension | *Cohere NLP API, Figma, HTML, CSS, Javascript*

January 2025

- Developed a Chrome extension integrating an NLP API to transform web content into multiple readability levels
- Reduced text complexity by **approximately 75%** by implementing text-processing logic and prompt refinement
- Designed a lightweight frontend UI, coordinated API requests, state handling, and error cases

Disney Villain Terminal Game | *C, Bash, GitHub Actions, Linux commands/shell*

November 2024

- Built a **C-based terminal app** with mini-games used to match users with a Disney villain as their personality
- Configured a **CI pipeline** using **GitHub Actions** to automate the building of the game, running tests, and uploading testing results, reducing manual testing effort and ensuring continuous code quality

Leadership / Extracurricular

PinkInTech

Spring 2020 – Present

Founder/President

McMaster University

- Founded and led a technology club, growing membership to **100+** students and organizing **5+** technical workshops
- Managed a **15-person** executive team and coordinated events focused on developer tools, AI platforms, and career skills