

# AASHNA VERMA

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Available starting January 1<sup>st</sup> 2024

## EDUCATION

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**Bachelor of Engineering** | *Carleton University*

*Sep 2021 – Apr 2026*

Major: Software Engineering (Co-op Stream), 3<sup>rd</sup> year GPA: 3.95

Acknowledgements: Deans List 2021-2023, \$16K Entrance Scholarship

## SKILLS

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**Programming/Technologies:** Python, Java, JavaScript, HTML/CSS, C, GIT, React, Node.js, Firebase

**Tools:** VS Code, Eclipse, Figma, Spline, Illustrator

## WORK EXPERIENCE

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**IT Developer – Intern** | *Canada Revenue Agency*

*May 2023 – Aug 2023*

- Spearheaded the automation of 50+ critical test cases for an internal Java GUI application and MyAccount, using JUnit and C for seamlessly integrated Angular calls, which enhanced testing efficiency and ensured a robust product.
- Identified and resolved testing bottlenecks by self-assigning cases from Jira CTR, successfully debugged 200+ failed test cases from regression runs, mitigating potential issues and ensuring the reliability of the software.
- Actively contributed during daily Scrum meetings, effectively communicating issues and concerns about identified bugs which facilitated efficient resolution, streamlined development efforts, and improved overall software quality.

**Teachers Assistant (TA)** | *Carleton University (EMLC)*

*Sep 2022 – Present*

- Explained complex concepts in simple terms to 20+ students from various disciplines, to help build understanding in all first-year engineering courses (Math, Physics, Python: Scripting and Data Management, Statics, etc).
- Introduced multiple studying habits and learning skills to freshman engineering students resulting in better self-management skills and mental health.

## PROJECTS

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**Full Stack Developer** | *ColourMe*

*Mar 2023*

- Designed a color identification tool for visually impaired individuals during the "Hack the Hill" Hackathon by using Figma and UX principles to produce an intuitive and cross-platform application.
- Developed a multi-API integration solution by merging HTML, CSS, and JavaScript with Fetch API, OpenAI, and Google Vision API, which resulted in a robust prototype under the tight 2 day time constraints.

**Full Stack Developer/Cofounder** | *ForPaws*

*Dec 2022 – Present*

- Collaborated with a Team of 3, in an Agile environment, capturing decisions and advancements in Notion, which ensured the entire team remained informed and aligned throughout the development process.
- Architected and executed interactive Login and Friend's Pages via React and Firebase, which yielded a robust and secure application, guaranteeing reliable user experiences and data security.
- Enhanced codebase efficiency by 25% through refined and refactoring HTML/CSS, this optimization significantly improved readability, efficiency, and facilitated streamlined modifications for future enhancements.

**Software Developer** | *Book Sorter*

*Nov 2021*

- Lead a group of 4 in creating a scalable text-based UI to sort and manipulate a dataset of books, resulting in an A+
- Wrote and refactored sorting and searching algorithms in Python for 30% faster output.
- Created project management tools, documentation for non-technical users, and wrote unit & regression testing

## ACCOMPLISHMENTS

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- BattleSnake quarter finalist
- Art account ([@berrylov3r](https://www.instagram.com/berrylov3r))
- Codecademy Front-End Engineering Certificate 2022
- Technological Education Ravens' Pride Scholarship