

# Ameya Gupta

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## Education

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### McMaster University

Computer Science I

Toronto, Ontario

Sep 2024 - Jun 2028 (expected)

## Experience

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### Codespire

Marketing Director

Toronto, Ontario (Hybrid)

Mar 2023 - Present

- Working in the same roles as from previous position, but also **leading and delegating responsibilities** to a new **Marketing Coordinator** to make content more efficiently

Marketing Coordinator

Oct 2022 - Mar 2023

- Overseeing social media accounts and effectively utilizing interactive media to increase **engagement rate** by **7%** and **follower count** by **18% in 1 year** (2022 - 2023)
- Leading branding & creative projects, including Instagram posts, posters, videos and merchandise
- Utilizing technical knowledge effectively to present proposals to increase **brand recognition and page conversions**

### HB CodeLink

Founder & President

Brampton, Ontario

Aug 2022 - Present

- Leading a team of **5 students** to effectively tackle our mission of **building up a strong CS portfolio** for every student
- Developing workshop content and presentations to ensure **high-quality, palatable workshops** for over **50+** students
- Spearheading promotion, outreach, and marketing campaigns, resulting in **2.2x increase** in followers from Sep. to Oct.
- Organizing communication between team and student members to foster a **safe, fun, & educational environment**

### HB Hack Club

President of Design

Brampton, Ontario

Aug 2020 - Jun 2022

- Designed and produced **UI and graphic design workshops** for **70+** students
- Organized **15+ workshops** to incite **experiential-learning** for **30+ attendees**
- Provided resources and support to members throughout the year, **improving enrolment by 20%** from the year prior

## Personal Projects

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### Personal Website | Vite, React + React Router, TailwindCSS, TypeScript | [Link](#)

- Developed a **responsive SPA** using **React Router**, ensuring **seamless navigation** and **efficient state management**
- Implemented **TypeScript** for **type safety and maintainability**, integrating **GitHub's Octokit API** to fetch and display **real-time repository data** dynamically
- Optimized performance with **code-splitting** and **lazy loading**, achieving **fast load times** and a **smoother user experience**, enhancing the presentation of graphic design work and projects

### Median Cut Quantization Study | Python | [Link](#)

- Designed and implemented **recursive algorithms** in **Python** to undergo the algorithm and record pertinent data, such as time taken and **structural similarity**
- Utilized **OOP techniques** to parse and translate data between packages
- Formatted data with a variety of **matplotlib** plots, such as line charts, heatmaps, and 3D scatter plots
- Proved the algorithm's **O(n) time complexity** and found the **algorithm suffers in high-contrast, high-detail areas**

### MirrorMult (Figma) | HTML, CSS, JavaScript, TypeScript | [Link](#)

- Designed and built a Figma plugin that generates symmetrical graphics based on input layers, accruing **1000+** users
- Boosted **productivity** among Figma designers, **improving project productivity by 15+**%
- Ideated and created a **UI mockup** for the pages of the plugin in line with **A11Y** accessibility standards

### MirrorMult (Blender) | Python, BPy | - [Link](#)

- Leveraged **BPy** fundamentals to create an easily-usable symmetry add-on for Blender
- Received **testimonials from 3D modellers**, indicating a **project time reduction** of **9%** on average
- Exercised fundamentals of **OOP** and **layout with template UI elements**
- 5+ stars** on the project's Github repository