

Harshul Agarwal

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EDUCATION

Northeastern University, MA | May 2027 **Cumulative GPA:** 3.78/4.00

B.S. Computer Science

Courses: CS 2500 - Fundamentals of Computer Science I (A) | CS 1800 - Discrete Structures (A)

Societies: Fintech Society, Entrepreneurship Society, Northeastern Coding Community

King George V School

Graduation: May 2023

International Baccalaureate Student

Honors & Awards: Senior UKMT Challenge (Bronze) | AIME Qualifier | AMC12B (91.5/150, 93rd Percentile)

Computer Science Thesis: Investigate how varying compression ratios in two JPEG compression algorithms. affects output image quality.

PROFESSIONAL EXPERIENCE

Lives Without Knives | Hong Kong

Mar 2022 – Nov 2022

Web Development Member

- Competitively selected to be part of the web development team for a marketing start-up promoting green living.
- Created and redesigned several web pages to accommodate marketing features (chat box, email pop-ups, search bar).
- Integrated a subscription email service, enabling continued engagement with hundreds of active blog subscribers.

Great Treasure Education Center | Hong Kong

Aug 2021 – Jan 2022

Web Designer

- Pitched and executed an online marketing plan for the tuition center to promote an affordable education service.
- Designed and built a website using HTML, CSS, and JavaScript.
- Completed Search Engine Optimization (SEO) for the website, with 1,300+ new users to date.
- Technical Implementations: HTML, CSS, JavaScript, Visual Studio Code

LEADERSHIP AND EXTRACURRICULARS

Northeastern Young Entrepreneurs Society | London

Sep 2023 – Present

Head Full Stack Developer

- Developed a website from scratch using HTML, CSS, JavaScript, and frameworks such as React.
- Advised 6+ start-ups through the process of establishing and maintaining their online presence and marketing schema.

PROJECTS

Binary Calculator

Nov 2023 – Dec 2023

- Designed and created a desktop application using technical implementations to explore binary arithmetic functions by understanding and applying the theory behind logic gates and number representations.
- Technical Implementations: Python, Tkinter (GUI Package), PyCharm, Related to *Discrete Structures*

Calorie Tracking App

Sep 2022 – Dec 2022

- Built a desktop application to support login systems, graphical representation of data, and active live data modification within the database.
- Technical Implementation: Java, JavaFX, MySQL, IntelliJ IDE CE, Scene Builder, MySQL Workbench

SKILLS & INTERESTS

Languages: English (Native), Hindi (Native), Chinese (Intermediate)

Programming: HTML (Advanced), CSS (Advanced), Java (Expert), Python (Intermediate), MySQL (Intermediate), Kotlin (Intermediate), Adobe Photoshop/Illustrator (Intermediate)

Interests: Football, Formula One, Gym, *Partner Track*