# Afaq Virk

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## EDUCATION

**Carleton University**                                                                  Ottawa, ON
*Bachelor of Computer Science, Industrial Applications Stream*              *Sep. 2024 – Apr. 2027*

## EXPERIENCE

**Software Engineering Intern**                                            August. 2024 – Present
*Shopify, Inc.*                                                                          *Ottawa, ON*
- Part of Shopify's Dev Degree Program.
- Currently on a placement with Shopify's Analytics Team.
- Technologies used include React Router, Ruby on Rails, and React Native.

**Founder, Lead Educator**                                                      May 2021 – Present
*MathemaTech*                                                                  *Cornwall, ON (remote)*
- Helping students at any level, age, or subject. Over 3500+ hours tutoring 1-on-1.
- I manage a team of tutors to help deliver quality remote education online.
- Also maintain business website and day-to-day operations.

**Member, Board of Trustees**                                          August 2023 – July 2024
*Upper Canada District School Board*                                                *Brockville, ON*
- Elected to represent over 27,000 students across Eastern Ontario region.
- Facilitated discourse on STEM education, AI in classrooms, and pedagogy.
- Improved existing workflows with regards to election procedures and social media marketing.

## PROJECTS

**ElECHOlocation** | *Arduino, C++*                                   Feb 2023 – October 2023
- Developed a device using ultrasound that assists visually-impaired individuals in navigating their environment
- Earned $6000+ in awards at the Canada-Wide Science Fair in Edmonton, Alberta
- Presented research at the MILSET Expo-Sciences in Puebla, Mexico

**Educology** | *Html, CSS, JavaScript*                                   Jul 2021 – Apr 2022
- Tasked with developing a service project for environmental education and an information repository for climate education.
- Collaborated with a team of volunteers to create an online platform that provides information and resources for climate education.
- Represented the United Nations Association in Canada at conferences and events to promote environmental sustainability and the SDGs.

## TECHNICAL SKILLS

**Languages**: Java, Python, C, C++, C#, Lua, SQL (MySQL, SQLite), JavaScript, LaTeX, TypeScript, HTML, CSS, R, TI-83 BASIC
**Frameworks**: React, Node.js, Material-UI, FastAPI, Ruby on Rails
**Developer Tools**: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Cursor, Figma
**Libraries**: pandas, NumPy, Matplotlib, React Router, React Native