Afaq Virk

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EDUCATION

Carleton University — Ottawa, ON
Bachelor of Computer Science (Honours), Minor in Economics — *Sep. 2024 – Apr. 2027*

EXPERIENCE

Software Engineering Intern — Aug. 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 — Aug. 2023 – Jul. 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 – Oct. 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