

Krishna Mehta

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TECHNICAL SKILLS

Languages: Python, C++, Java, HTML/CSS, JavaScript, MATLAB

Tools/Frameworks: React, Git, VS Code, Visual Studio, PyCharm, UNITY, AutoCAD

Design: Figma, Tinkercad

PROJECTS

Project Neurative | *Figma, HTML, CSS, JavaScript*

May 2023 – May 2024

- Conducted quantitative and qualitative research through **data analysis, field studies, and usability testing** for an epilepsy cure using Acoustic Holograms
- Developed the **front-end** of the project website with **HTML, CSS and JavaScript** on hologram technology for enhanced epilepsy treatment to educate and raise awareness.
- Presented at the **Microsoft Toronto Office**, emphasizing its innovative aspects and the impact of technology on the healthcare industry.

Consulting: Walmart, Amazon, Switch Health | *Figma, Tinkercad, Microsoft Office*

Jan 2023 – Dec 2024

- Consulted and advised three companies on critical issues in sustainability, innovation, and technological development, ensuring solutions were tailored to meet their specific needs.
- Utilized **Figma and Tinkercad** to design and prototype innovative solutions, driving efficiency and technological advancements.
- Presented recommendations and facilitated the implementation of solutions involving **AI, AR/VR, BCI, and genetics research** to address digital consumerism, indoor traffic control, and sustainable medical testing.

Augmented Reality Children's Book | *Unity, Vuforia*

Sept 2022 – May 2023

- Developed an interactive, innovative children's book that teaches the alphabet using **Unity** and **marker-based AR** technology.
- Successfully integrated AR features to provide a unique **educational tool**, improving children's literacy skills through an immersive and interactive approach.

WORK EXPERIENCE

Director of STEM

Aug 2023 - Aug 2024

City of Brampton

Brampton, ON

- Developed and directed lessons for subject areas including **Python, Java, Adobe Photoshop, robotics, hardware, design**, and more while **consulting and communicating** with upper management.
- Managed 10+** STEM instructors, providing **evaluations and mentorship** for their professional development.
- Designed and led monthly training sessions for instructors, resulting in a **20% improvement** in instructional effectiveness.

Piano Instructor

Jul 2022 - Aug 2024

Self - employed

Brampton, ON

- Provided one-on-one training to **10+ students** in music performance and theory, tailoring to individual learning styles to improve my students musical understanding, leading to my strong **communication skills**.
- Developed personalized lessons and managed student financial records using **Microsoft Excel**.

Dance Instructor/Professional Dancer

Sept 2021 - Dec 2023

Nritya Kala Mandir

Brampton, ON

- Organized and led dance recitals, managing event logistics, designing event marketing, and contacting vendors and sponsors. Involved heavily in organizing dance recitals and events with **100+ attendees**.
- Designed and implemented dance training programs for students of various skill levels.
- Worked closely with students in a classroom environment that adhered to all health and safety guidelines and developed strong interpersonal skills through building rapport with **40+ students and parents**.

EDUCATION

University of Waterloo

Waterloo, ON

Systems Design Engineering (Bachelor of Applied Science)

Present - Jun 2029

Relevant Courses

Digital Computation - C++; Intro to Design - prototyping, mechanical design; Communications Visualization - CAD