

Krishna Mehta

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Education

The University of Waterloo

Bachelor of Applied Science in Systems Design Engineering

Waterloo, ON

2024-2029

Turner Fenton Secondary School

4.0 GPA all four years

Brampton, ON

2020-2024

Work Experience

STEM Director

City of Brampton

Brampton, ON

November 2023 - Present

As a Director of STEM for the City of Brampton, I have created and directed lessons in areas such as coding with Python and Java, Robotics, Photoshop and design, hardware, and more. I led 10-20 STEM Instructors, acting as a channel of communication between upper-level management and instructors, and helping facilitate training sessions for new and current STEM instructors.

Piano Instructor

Self-employed

Brampton, ON

July 2022 - Present

As a piano instructor, I teach approximately 10 students both in-person and virtually. I manage the finances of these students using Microsoft Excel and develop personalized lesson plans for each student. I taught music theory, sight-reading, and ear-training to improve my students overall musical understanding. This has resulted in my strong communication and interpersonal skills, as well as my ability to adapt to different environments and manage time effectively.

Dance Instructor/Professional Dancer

Nritya Kala Mandir

Brampton, ON

September 2021 - Present

As a dance instructor and professional classical dancer for Nritya Kala Mandir, I teach classes of students aged 4-14, ranging from 6 to 15 students at a time. I also aid in organizing dance recitals and events with 100+ attendees yearly. I have strong communication and interpersonal skills, with a talent for building strong relationships with students, parents, and colleagues. I also maintain a safe and supportive classroom environment, adhering to all health and safety guidelines.

Projects

Project Neurative: Hologram Technology for Enhanced Epilepsy Treatment

May 2023 - Present

I led Project Neurative, an initiative focused on utilizing hologram technology to develop advanced treatments for epilepsy. Through comprehensive research and implementation, the project explored how holograms could enhance treatment accuracy and patient outcomes. I presented the project at the Toronto Microsoft Office, effectively communicating its significance. It received the "Best Overall" award at the TKS Moonshot Hackathon.

Consulting Projects: Walmart Bluelabs, Amazon Alexa, Switch Health Canada

September 2023 - May 2024

I consulted for and advised companies in sustainability, innovation, and technology. I helped implement solutions involving AI, AR/VR, BCI, and genetic testing. I also collaborated with professionals to develop effective solutions and used tools like Figma and Tinkercad to design and prototype solutions, driving innovation and efficiency.

Augmented Reality in Education: AR Story Book

November 2023 - December 2023

Developed an innovative children's book that teaches the alphabet using marker-based augmented reality (AR) technology on Unity. This project integrated AR to create an engaging and interactive learning experience for young readers, combining traditional storytelling with modern technology to enhance educational outcomes.

Skills & Interests

Technical: Python, HTML, CSS, Javascript, Microsoft Excel, Figma, Tinkercad,