

Krishna Mehta

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TECHNICAL SKILLS

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

Tools/Frameworks: React.JS, Bootstrap, Git, UNITY, Pandas, NumPy, Plotly, Tkinter, Flask, PowerBI, SQLite

Design: Solidworks, AutoCAD, Figma, Canva, Tinkercad

WORK EXPERIENCE

Software Developer (Co-op)

Jan 2025 - Present

University of Waterloo - CEE Department

Waterloo, ON

- Developed and optimized 20+ responsive course features to improve participation and redesign the virtual educational experience for **1000+ students** using **HTML, CSS and JavaScript**.
- Conducted and analysed **20+ user-tests** while integrating website enhancement recommendations which improved the front-end design and UI/UX, increasing student satisfaction rate by 20%.
- Optimized code and improved accessibility by integrating ARIA labels and alt tags across all applications.

STEM Department Director

Aug 2023 - Aug 2024

City of Brampton

Brampton, ON

- Designed lessons to run coding workshops for students and taught them to build games and applications using **Python, JavaScript, and Java**.
- Managed **10+** STEM instructors, facilitating mentorship sessions, which increased productivity by **20%**.
- Increased the student sign-up headcount by **50+** by implementing a new hands-on STEM curriculum involving collaborative team-based projects, problem-solving, and experiential learning to aid with the students learning.

Web Developer (Internship)

Jun 2023 - Dec 2023

The Coding Foundation

Remote

- Designed **10+** mockups for all key aspects of a functioning website, including the Navbar, Hero Section, and Footer, ensuring a cohesive and user-friendly design.
- Developed and optimized **100%** of the website's functional components using **React.js**, focusing on modularity, reusability, and performance.
- Implemented end-to-end testing with **Jest and React Testing Library**, reducing UI bugs by **20%** and ensuring cross-browser compatibility.

PROJECT EXPERIENCE

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

May 2023 – May 2024

- Utilized **HTML, CSS and JavaScript** to develop the **front-end** of an information website displaying hologram technology as an advanced epilepsy treatment to spread information.
- Presented and collaborated with **industry professionals** at Microsoft Toronto to enhance the web application and add additional features to improve the **user experience**.
- Conducted quantitative and qualitative research through **data analysis, field studies, and usability testing** for an epilepsy cure using Acoustic Holograms.

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

Jan 2023 – Dec 2023

- Consulted and advised three companies on **software solutions** to issues in sustainability, innovation, and technological growth, tailoring them to meet specific needs.
- Utilized **Figma for UI/UX design** and prototyping, and Tinkercad for **rapid prototyping** of IoT devices, optimizing efficiency and driving digital transformation.
- Presented technical recommendations on the implementation of **AI, AR/VR, BCI, and cloud-based** solutions to enhance UI/UX, streamline internal operations, and improve sustainability in medical and consumer sectors.

EDUCATION

University of Waterloo

Waterloo, ON

Systems Design Engineering (Bachelor of Applied Science)

Present - Jun 2029

Relevant Courses

Data Structures and Algorithms, Linear Algebra, Digital Systems (microcomputer interfacing, circuits, logic), Solidworks