

NIHAL SINGH

Hamilton, ON

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EDUCATION

McMaster University

Bachelor of Applied Sciences (Computer Science CO-OP)

Hamilton , ON

September 2021 - Present

Delhi Private School

April 2008 - May 2021

Dubai , UAE

EXPERIENCE

Academic Director

McMaster Computer Science Society

September 2022 - Present

Hamilton , ON

- Ensured alignment of academic activities with society goals and mission by conducting regular evaluations and making strategic adjustments, resulting in a 10% improvement in overall program effectiveness.
- Orchestrated academic events, collaborating with professors and industry professionals, resulting in a 20% increase in attendee satisfaction.
- Implemented an online mentoring program for students seeking guidance in their academic pursuits, resulting in an increase of successful academic clarification amongst 30+ students within the first 3 months.

Python Tutor

Institute For Non-Formal Education and Research

June 2019 - August 2019

Jaipur , India

- Enthusiastically participated voluntarily in literacy awareness program and interaction with students for promoting education activities with a passion for making education accessible to all.
- Organized and facilitated weekly coding workshops for underprivileged students, resulting in a 20% increase in computer literacy rates within the community.
- Compiled daily feedback sessions with students to assess their progress and provide individualized support, resulting in a steady increase in satisfaction by about 5 students daily.

PROJECTS

Personal Website

Portfolio

- Successfully implemented a responsive personal website showcasing my technical projects and experience.
- Utilized HTML, CSS, and JavaScript to create an interactive and visually appealing user interface

Math Visualizer

ELM Project

- Collaborated and built a responsive study tool based on the elementary concept of derivatives using ELM.
- Implemented an intuitive UI that enables users to easily select the appropriate derivative from a visualizer, and display it graphically for improved comprehension.
- Conducted user interviews and utilized feedback to improve the design over the course of 12 weeks.

TECHNICAL SKILLS

Programming Languages

Python , Java , C , JavaScript , SQL , Swift , Elm , Haskell , HTML , CSS

Technologies

GitHub , OverLeaf , Microsoft Office , Figma , UML , Jupyter