

Hemtoj Deo

(647) 657-5436 | hemtojdeo@gmail.com | Brampton, Ontario

Education

McMaster University

B.H.Sc. (Hons) Biomedical Discovery & Commercialization

- Awards: Provost's Honour List (2025), The University Senate Scholarship (2025)

Hamilton, ON
Sep. 2024 – Present

Western University

Bachelor of Basic Medical Sciences

- Awards: Dean's Honor List (2023-2024) (Min. 80% average)

London, ON
Sep. 2022 – Apr. 2024

Experience

Healthcare & Research

Undergraduate Thesis Student

McMaster University

- Analyzed bulk liver RNA-seq data from GFRAL knockout mice to identify inflammation, fibrosis, and metabolic signals
- Refined pathway-based gene lists regarding inflammation and insulin signaling to support lab summaries and reports
- Supported in vivo study execution through mouse handling assistance and precise diet/weight tracking under protocols

Sep. 2025 – Present
Hamilton, ON

Emergency Department Assistant

Juravinski Hospital (HHS)

- Implemented HELP delirium protocols for older ED adults via reorientation, calming dialogue, and cognitive activities
- Assisted with non-medical needs like hydration and mobility while relaying key concerns to nurses to aid ED workflow

Sep. 2025 – Present
Hamilton, ON

Clinic Assistant

MSC Orthopedic Surgery & Physiotherapy Clinic

- Scheduled appointments, managed records, and processed billing information to ensure daily clinic operations tracked
- Facilitated patient-provider communication by relaying visit needs and ensuring follow-ups and instructions were clear

May 2021 – Aug. 2025
Guelph, ON

Optometrist Assistant

Pandher Optometry

- Performed diagnostic tests using auto refractor, optical coherence tomography, and visual field machinery accurately
- Ensured smooth clinic operations by educating patients on tests and assisting them to support the doctor's diagnosis

June 2023 – Sep. 2023
Brampton, ON

Marketing & Business

Marketing Assistant / Business Development Analyst

Starlane Homes

- Host open houses across multiple model homes; deliver tours, explain floorplans/finishes, and answer buyer questions
- Qualified leads, maintained visitor logs, and directed high-intent buyers to sales office for deposits and closing
- Implemented multilingual and accessibility support initiatives, successfully increasing site visitor traffic by 150%

June 2023 – Present
Brantford & Vaughan, ON

Customer Experience Associate

Topper's Pizza

- Managed orders, operated POS, handled payments, and resolved issues efficiently during high-volume dinner rushes

Mar. 2022 – July 2022
Kitchener, ON

Community & Operations

Grounds & Facility Support Representative

Black Creek Pioneer Village

- Carried out maintenance tasks to ensure park functionality, including building and repairing fencing and trail areas

July 2022 – Sep. 2022
Toronto, ON

Member

Brampton North Youth Council

- Collaborated with Honourable MP Ruby Sahota's council to present ideas representing the opinions of today's youth

Jan. 2019 – Jan. 2023
Brampton, ON

Technical & Professional Skills

Laboratory & Clinical: Bulk RNA-seq Analysis, PCR, Western Blot, Pipetting, In Vivo Mouse Handling, Clinical Operations

Technical & Programming: R, Python, Microsoft Office Suite, Canva, GSite Content Management

Business & Strategy: Quantitative Data Analysis, Lead Qualification, Stakeholder Engagement, Scientific Appraisal

Languages: English, French, Punjabi