AI and Climate Change Displacement

This project aims to build interdisciplinary models that combine climate data, socio-economic indicators, and real-time analytics to proactively address the challenges faced by displaced communities.

1. Hosting Institution- York University, Canada

2. Faculty Supervisor

Name:	Maleknaz Nayebi
Position/ Title:	Associate Professor
Faculty:	Lassonde School of Engineering
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Biography:	www.maleknazn.ca/ https://scholar.google.com/citations?user=uSWqDhwAAAAJ&hl=en&oi=ao

3. Time Frames for Hosting Scholar

January 2026- March 2026

May 2026- August 2026

September 2026- December 2026

January 2027- April 2027

May 2027- April 2027

September 2027- December 2027

January 2028- March 2028

4. Research Project

Project Title:	AI and Climate Change Displacement
Project Description:	The project aims to explore how artificial intelligence can be harnessed to understand, predict, and respond to the growing crisis of human displacement driven by climate change. From forecasting extreme weather events to identifying at-risk populations and optimizing resource allocation in resettlement efforts, AI offers powerful tools to support evidence-based policymaking and humanitarian response. This proposal aims to build interdisciplinary models that combine climate data, socio-economic indicators, and real-time analytics to proactively address the challenges faced by displaced communities.
Preferred Academic Background and Research Skills:	AI, GIS, Climate Science or Environmental Studies, Social Science

5. Leadership, Community Engagement and Cultural Activities (recommended)

Seminar, stakeholder and government enagagments, exhibitions