

## **Raissa Souza de Andrade**

Raissa graduated from Sao Paulo State University, Brazil, in 2017 with a BSc in Computer Science. She also studied abroad at the University of California, San Diego and became passionate about applying computer science to improve health care as a trainee at the University of California, Los Angeles, in 2015. She is currently pursuing a Ph.D. degree in Biomedical Engineering with a Medical Imaging Specialization at the University of Calgary. Her primary focus is on developing distributed learning methods capable of leveraging insights from data across multiple hospitals worldwide, thus creating new opportunities for applying machine learning models to improve healthcare globally.

## **PRESENTATION TOPIC AND SYNOPSIS**

### **Collaborative AI for improving diagnosis of Parkinson's Disease**

**Summary: The research aims to develop collaborative AI systems to enhance Parkinson's Disease (PD) diagnosis while keeping patient information private. The objectives involve training the AI system with data from hospitals worldwide, reducing challenges due to patient demographics and hardware differences. Ultimately, our goal is to develop methods to ensure that AI systems perform well for all collaborating hospitals.**