Welcome to ICTS’s WIL Digital: Cloud Computing

ICTS WIL Digital is an innovative Work Integrated Learning (WIL) program that helps students gain insight and skills to advance learning and successful work experience.

Course Overview

This ICTS WIL Digital is a great opportunity for participants to learn about one of today’s most exciting industries, and is a source of knowledge for cloud technologies and their current impact on companies in Canada and around the world.

About this course

This course consists of an online module that covers a series of topics:

- Module 1: Intro to Cloud Computing
  - Learning goals: Understanding the history of cloud technologies, different models and types of cloud infrastructure.

- Module 2: Cloud-native Application Development
  - Learning goals: Exploring the cloud-native industry, modern technologies, and their common developers.

- Module 3: Cloud Networking
  - Learning goals: Understanding the economy of cloud computing, and the importance of looking at cloud networks uniquely.

- Module 4: Business Applications
  - Learning goals: Learning from industry leaders and cloud-based developments.

- Module 5: Societal Impacts
  - Learning goals: Exploring potential environmental and social impacts of cloud computing.

- Module 6: Canadian Context and Career
  - Learning goals: Learning about the main economic and societal implications of cloud computing.

These modules provide an extended overview of cloud computing and its critical applications. We recommend reviewing this course material and all supplemented content for a comprehensive learning experience.

Targeted audience

The course topics are designed for students interested in developing foundational skills in the field of cloud computing. These students will be particularly interested in courses related to Internet of Things (IoT) and artiﬁcial intelligence (AI). The course will cover essential cloud computing concepts and technologies that will enable participants to advance their careers.

5.2 Data sovereignty

Demand for data sovereignty is increasing in the digital age, due to various privacy and security concerns. This demand is particularly important for businesses operating in Canada and around the world. The course will explore the importance of data sovereignty and the implications on the Canadian market.

2.0 Cloud-native application development

In this course module, students will learn about cloud-native applications through the lens of emerging technologies like Kubernetes and containers. The module will also introduce students to the Go kit, a tool designed for developing cloud-native applications.

The course will provide an overview of cloud-native technologies, with a focus on Kubernetes and containers. Students will learn how to leverage these technologies to develop scalable and resilient cloud-native applications. The course will also cover the important role of cloud-native applications in the digital age and their impact on businesses.

For more information about this program, please visit the website: [https://www.icts.ca](https://www.icts.ca).