aivancity

LA CLINIQUE
DEL'IA

UNE INNOVATION
AU SERVICE DES
ÉTUDIANTS ET DES
ENTREPRISES

AI FOR DIAGNOSTIC CODE ASSIGNMENT
- Projet -
#ICD CODE #MACHINE LEARNING #MEDICALDIAGNOSTIC

Partner company

- UIZ.CARE

The company's project manager

- Lepolesa Limpho

Project description

When doctors fill out patients medical records, accurately assigning ICD codes can be a tedious and error-prone process. ICD codes are crucial for medical diagnosis classification, proper billing, and epidemiological data collection. However, the choice of the correct ICD code can vary depending on various factors, such as the description of the diagnosis, the patient's medical history, and the latest ICD updates.

Objectifs du projet

The objective of this project is to develop artificial intelligence capable of analyzing the information provided in the medical record and instantly suggesting the most appropriate ICD code for the current diagnosis. This will help doctors complete medical records more efficiently, improve the accuracy of ICD code assignment, and reduce the time spent on this administrative task.

Programme grande école

- PGE3

The aivancity project tutor

- Nasreddine Menacer

Targeted activities

- NLP
- Machine learning
- Coordinate the project using management methods and tools adapted to the company's context and the nature of the project

Prerequisites

- Python – text analysis – machine learning