



NASA-Space Apps Challenge 2022

TEAM Try_But_Good

CHALLENGE:

**CAN AI PRESERVE OUR
SCIENCE OUR SCIENCE
LEGACY?**

PROJECT

The NASA Technical report server (NTRS) includes hundreds of thousands of items containing scientific and technical information (STI) that were created or founded by NASA. Imagine how difficult it can be to locate desired information in that large repository! Your challenge is to develop a technique using artificial intelligence (AI) to improve the accessibility and discoverability of records in the public NTRS.

➤ PROJECT SOLUTION APPROACH

Our solution for the project is to create a website. Indeed the site is divided into two parts which are: the visual part and the content that the user will not see.

◆ Frontend

This part is subdivided into three sections.

First section: it is a decoration of the site with the possibility of downloading the report.

Second section: this section hosts the search engine. It allows in particular to enter the key words where given to launch the search. Below that there is an area that displays the search result.

Third section: here it is a question of the display of the documents sought.

◆ Backend

It is an artificial intelligence made in python that summarizes the PDF in database and extracts the key word of them. So each PDF is linked to its summary and its key word. Then the AI makes the search and returns the PDF