Online Safety Track

DevFest 2020

Description

The online safety track is a set of 4 different challenges in 4 different fields: Web Development, Mobile Development, Machine Learning and Automation.
The goal of these challenges is to put into practice an online safety solution to a given problem. Each one of the four challenges will have at least one winner based on the best provided solutions.
The challenges are briefly described in what follows:

- ❏ **Web and Mobile challenges**
  These two challenges are an open invitation to all sorts of feasible and applicable ideas that may solve the presented problems. The given issue in the web challenge is the online reputation in the age of the internet where our actions might impact how people perceive us online and take measures against us, malicious people can exploit this to damage our reputation and spread bad information about us.
  While for the mobile challenge, the given problem is privacy and identity protection from theft since actively participating in social media sites puts you at a higher risk of identity theft simply because more people will "see" you and will have access to your details. like someone who's using your information to impersonate you on a fake social media profile. The evaluation of these two challenges will be based on both technical and innovation aspects.

- ❏ **Machine Learning and Automation challenges**
  The 2 challenges are straightforward. The ML challenge is a demand for automatic detection of hate speech. The challenge is to create a ML model that detects hate speech. while in the automation challenge, the competitor will have a web page or just a discussion between two people and his responsibility is to detect the hate speech in the conversation, you can use free api that provide real ml models to detect hate speech.

You'll find a detailed document/data of each challenge in the shared challenges' folder.

What to submit?

You have to submit your solutions before Sunday at 7am. You can check the dashboard on Devfest's website to see the scores.

You'll need to submit:
- ❏ Web and Mobile challenges
  In both challenges you'll need to submit:
    - A technical sheet (Fiche technique) containing a detailed description of your solution in addition to a feasibility study (social, technical and financial study)
    - A prototype of your solution with an implementation of at least one main feature from end to end

- ❏ Machine Learning challenge
  You have to submit the **.html** file of a well commented and presented notebook.

- ❏ Automation
  You have to submit the generated code.

How to submit ?

The submitted solution can be a link to either Github/GItlab or Google Drive. You have to submit using the given Online Safety submission [form](#).