## **FAKE NEWS DETECTION SYSTEM (FNDS)**



# Project Presentation

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# MAIN OBJECTIVES

## **Overview**

Fake news detection is an application that can be used to determine whether a news is fake or not based on a dataset and specific Al algorithms that we have developed. The application can be used by either normal users to check whether the news they face in their daily life is fake or not. It can also be used by Organizations and Journalists for business needs.

## **Objectives**

- 1. Assemble a trusted dataset that can be depended on for the Al model
- 2. Build strong Al algorithm that can be both trustworthy and fast
- 3. Return accurate results for news integrity.
- 4. Provide several options for users when checking if a news is fake. (E.g. the ability to enter the news details manually or fetch them from a URL)
- 5. Each user should have a profile history with his previous news submissions
- 6. Provide a trending fake news map to visualizes the percentage of fake news around different cities in the world.

#### **FAKE NEWS DETECTION SYSTEM (FNDS)**

## **FUNCTIONALITIES**

#### 1. Check if a news is fake

Users should be able to submit news to check whether they are fake or not through a web interface by submitting the news title, subject and description.

#### 2. Fetch news from a URL and check if its fake

Users should have an option to fetch news from a URL then check for its integrity using the FND system.

## 3. Login

Users can login to their account by entering their email and password

## 4. Register

Users can register new accounts

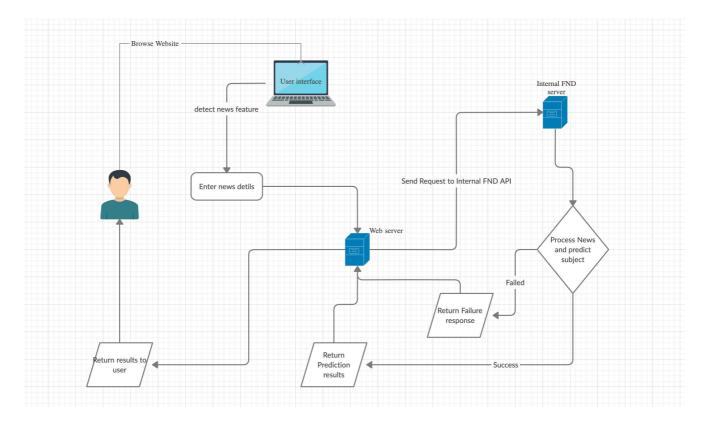
## 5. Detection history

The system should store the user's news detection history and users should be able to access a list of their previous submissions in the history page.

## 7. Trending fake news map

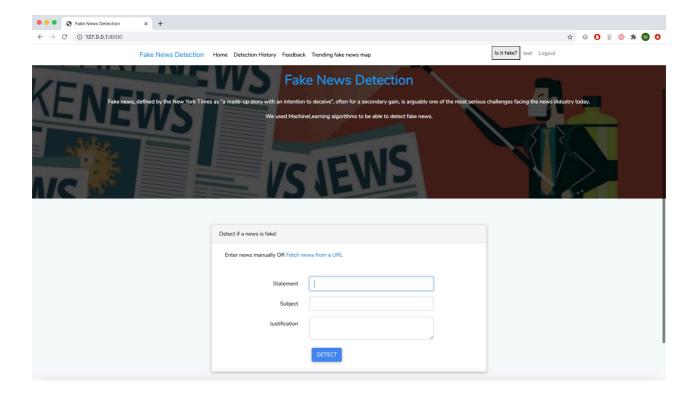
Users should be able to access a map that visualizes the percentage of fake news detected by the system around different cities in the world.

# DETECTION PROCESS DIAGRAM

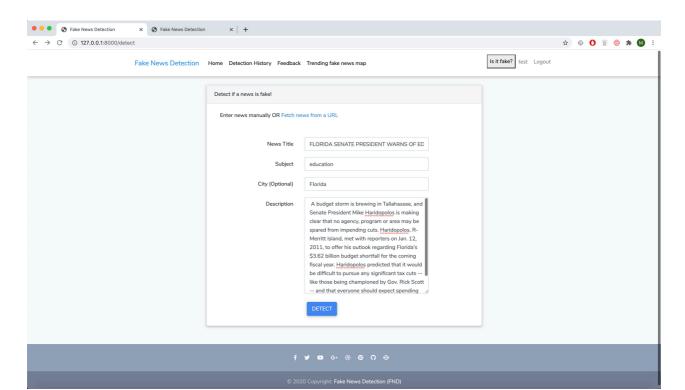


# IMPLEMENTATION SCREENSHOTS

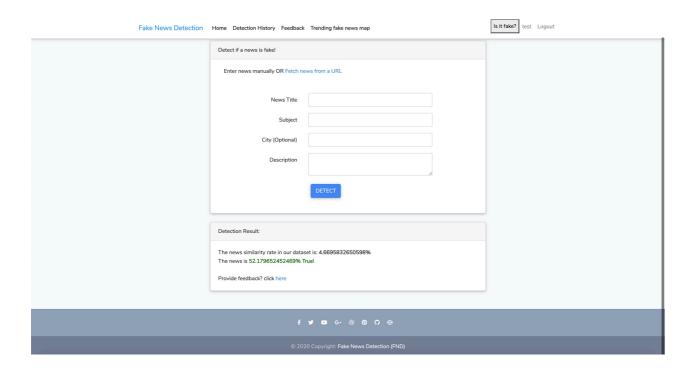
#### Home Page:



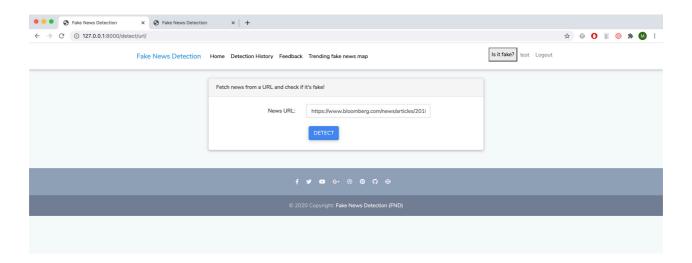
### Detect News Manually:



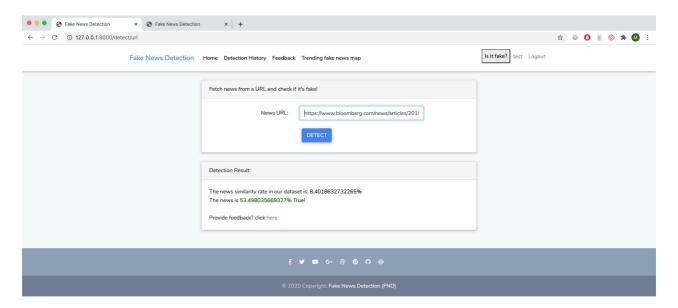
#### Manual Detection Results:



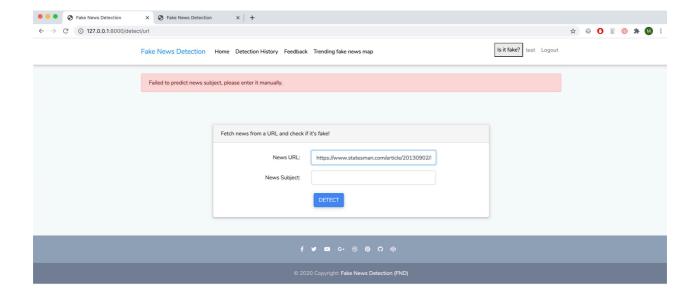
#### Detection from URL:



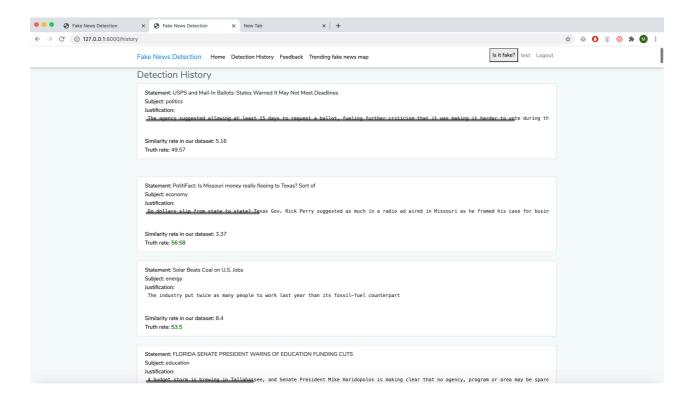
#### Detection from URL results:



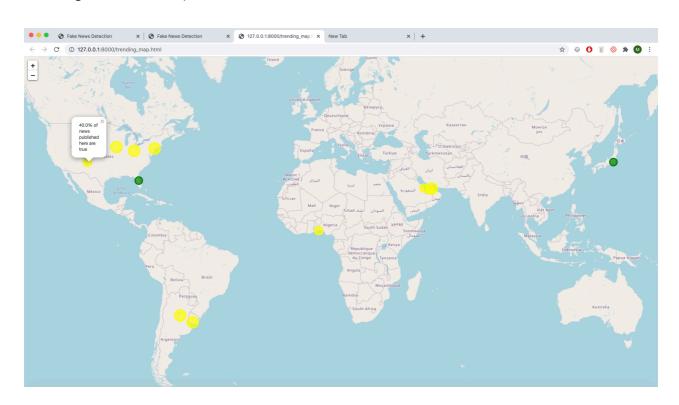
Detection from URL when the system fails to predict the news subject:



## Detection History Page:



## Trending fake news map:



### Feedback Form:

