

# Idea Brief

## Problem:

Deepfake imagery and video on social media represents a threat to factual public discourse and contributes to growing feelings of societal distrust.

## Proposed solution:

My idea is to create a system of social media bots to point out deepfake imagery and video on Twitter, Facebook, Instagram and Reddit. People could submit imagery and video directly to the bots by addressing the bot in an image/video comment, or by making a post containing an image/video and addressed to the bot. The bots would also continuously scour their platforms to find and call out fake videos and imagery on their own. To start, an off the shelf, open source deepfake identifier could be used but that identifier could be adapted or improved as part of the project.

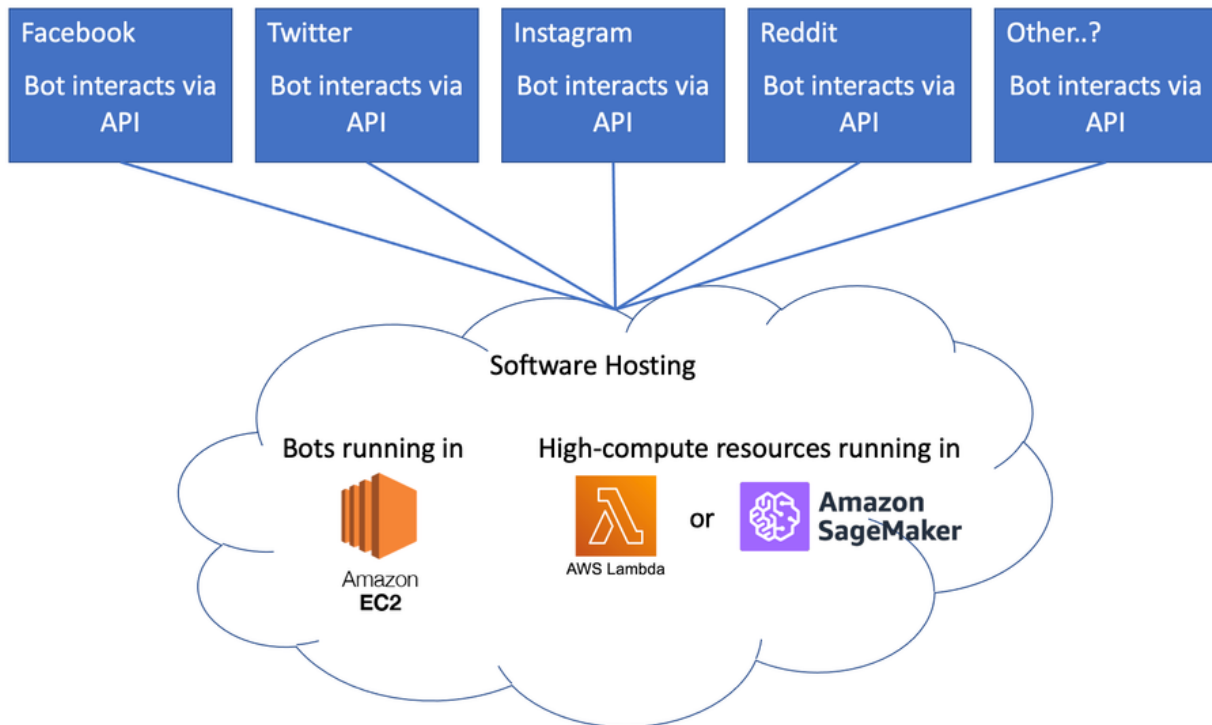
## The main pieces of the project would be:

- Adapting and improving the open source deepfake identifying software
- Creating one or more bot accounts per platform with the necessary abilities
- Hosting and connecting the bot accounts and any other supporting software

## The main challenges of the project would be:

- Improving the open source deepfake identifying software as needed
- Coming up with an optimal strategy for finding imagery to test from the constant flood of data generated on these platforms
- Creating the cloud architecture to run the system in a cheap, efficient, and secure way

## Graphic:



## Links:

Open source code: [GitHub - swayanshu/Deep-Fake-Detection](#) [GitHub](#) [k Deepfake Detection Challenge](#) [How to create a Twitter bot with Twitter API v2](#)