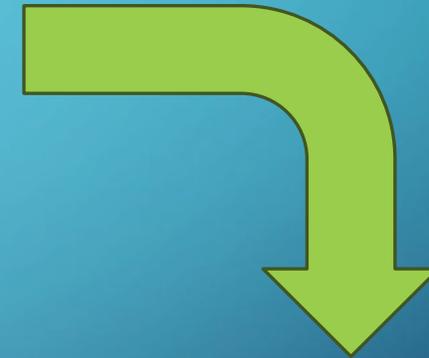
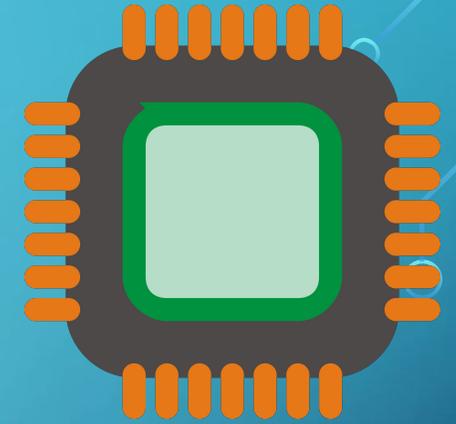


# MYCROFT : RAPIDFIRE

JIBRAN HASSANKHIL

TYLER D 

# MEET THE TEAM



JIBRAN AND TYLER JUST  
CASUALLY HANGING  
DOING COMPUTER  
SCIENCE STUFF

86% OF WEBSITES HAVE TRACKERS



73%

OF FINANCE WEBSITES



94%

OF TRAVEL WEBSITES



84%

OF RETAIL WEBSITES



96%

OF MEDIA & NEWS WEBSITES

HOW ONLINE TRACKERS VIOLATE YOUR PRIVACY

27%

DON'T PROMISE TO ANONYMIZE DATA

41%

DON'T OFFER AN OPT OUT

56%

WITHOUT INDUSTRY OVERSIGHT OR REGULATION

LAW SUIT



31 MILLION DOLLAR SETTLEMENT

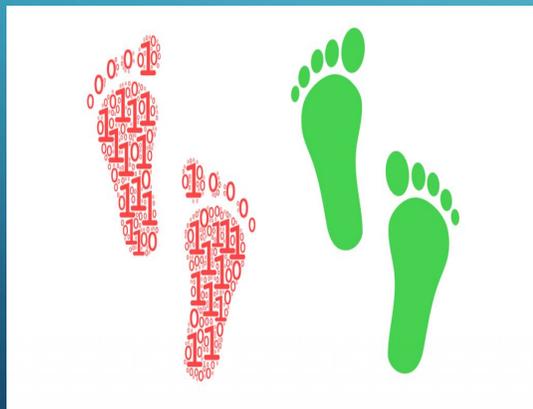
# MISSION



RASPBERRY PI  
400



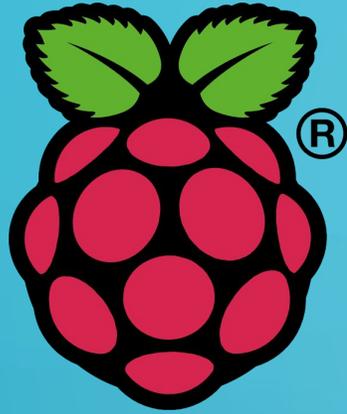
FBI AND CIA PROOF



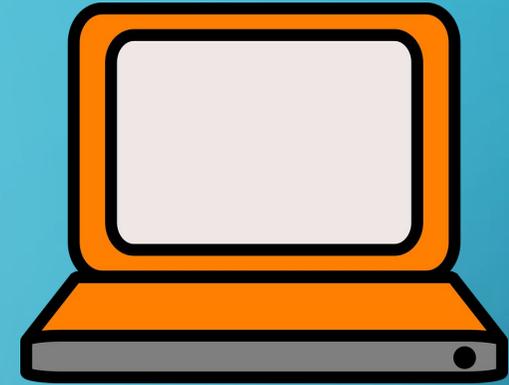
UNTRACKABLE AND UNTRACEABLE



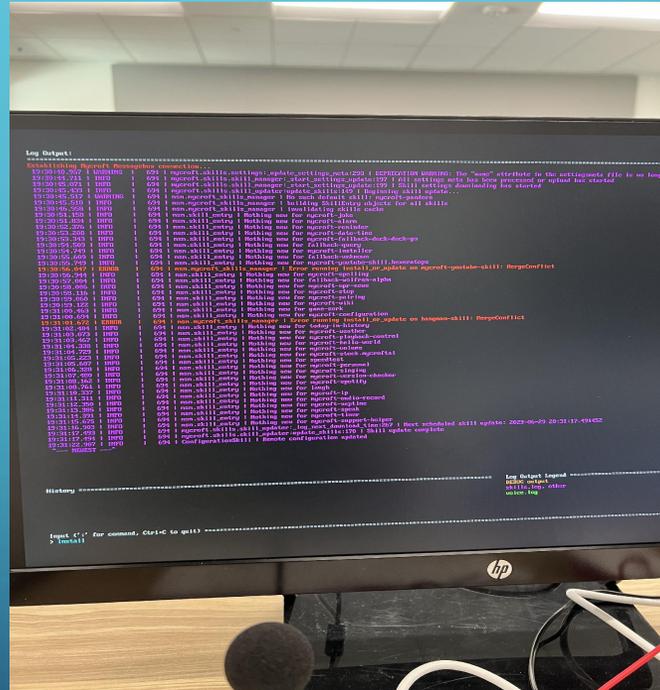
100% PRIVACY



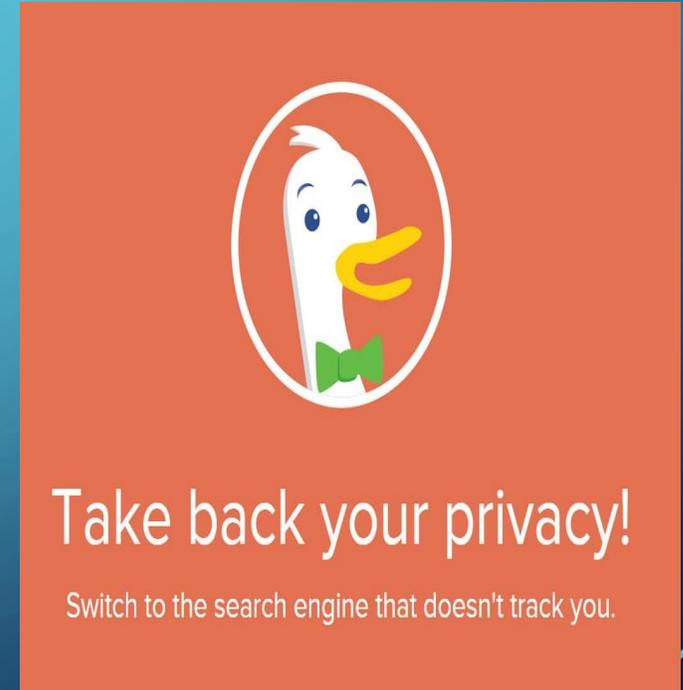
# PROCESS



**HARDWARE :**  
Raspberry Pi 400, Mouse,  
Speaker, Monitor, Mic



**INSTALLATION:**  
Installed **Packages** and **Skills**  
using **Terminal**



**DOMAIN:**  
Set up **DuckDuckGo** as the  
**Search Engine** for our Mycroft

# MYCROFT FEATURES AND SKILL



With the wake-up phrase, “**Hey Mycroft**” it **activates** Mycroft and waits for a user-response

```
EXPLORER | .int_py | Hangman | handle_hangman
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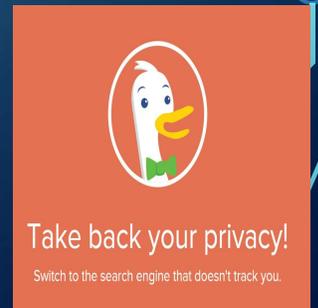
# otherwise, ask them to guess a letter
response = self.get_response('guess_letter', num_retries=0)

# check if they responded
if response is not None:
    # check if they guessed a letter and parse it to "letter -a/b/d/e/..." format
    if self.voc_match(response, "valid_letters", None, True):
        # parse the letters from the response
        letter_guess = response[7:8]

        # check if the letter has already been guessed
        if not letter_guess in self.guessed_letters:
            # check if the letter is in the word
            if self.chosen_word.find(letter_guess) > -1:
                # if it is, tell them they're correct and add it to the list of guessed letters
                self.speak("That is correct.")
                self.guessed_letters.append(letter_guess)
            else:
                # if it isn't, tell them they're incorrect and subtract a life
                self.lives_left -= 1
                self.speak("That is incorrect. You now have " + str(self.lives_left) + " lives left.")
                self.guessed_letters.append(letter_guess)
        else:
            # if they already guessed that letter, tell them
            self.speak("You already guessed that letter.")
    else:
        # if they didn't guess a letter, tell them
        self.speak("That is not a valid letter.")

# check if they won or lost
if self.win_state:
```

## HANGMAN SKILL

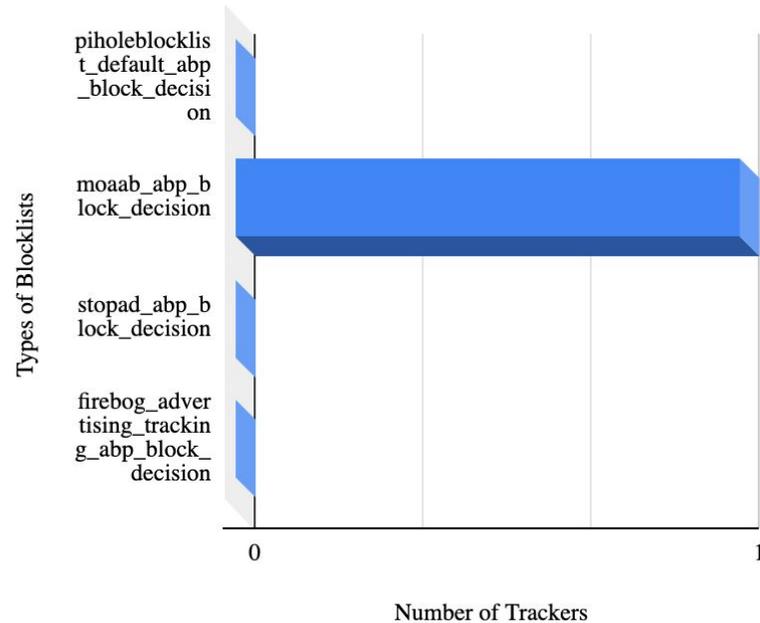




# MYCROFT VS ALEXA

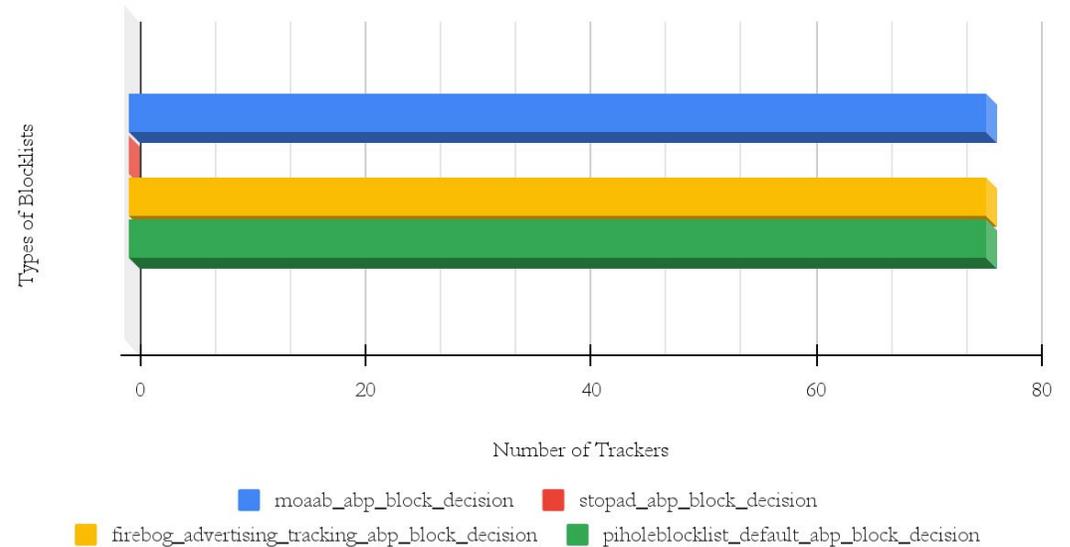


### Known Trackers on Mycroft Speaker



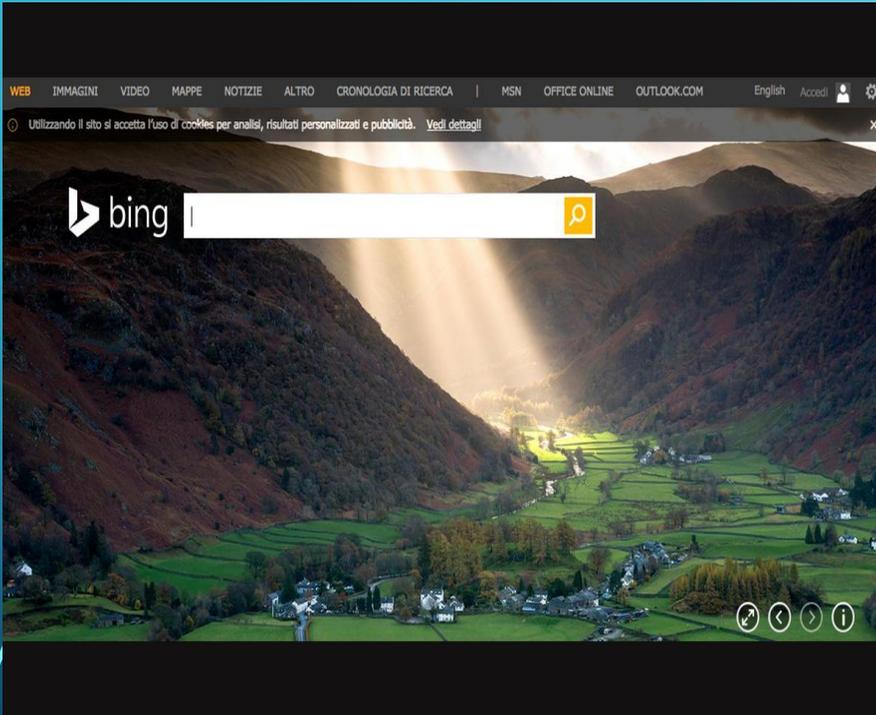
**TRACKERS ON MYCROFT**

### Known Trackers in Echo Dot Based on Blocklists



**TRACKERS ON ALEXA**

# WHY IS MYCROFT BETTER THAN ALEXA?



**BING SECURITY MEASURES (SELLS, COLLECTS, AND SHARES)**

VS



**DUCKDUCKGO SECURITY MEASURES (DOES NOT COLLECT, SELL, OR SHARE)**



**TIKTOK**

**TIKTOK IS SET  
TO REVENUE  
13.2 BILLION  
JUST FROM  
ADS**



**834.4 MILLION USERS  
MONTHLY WORLDWIDE**

***BUY NOW!***

[Click Here To Buy Now](#)

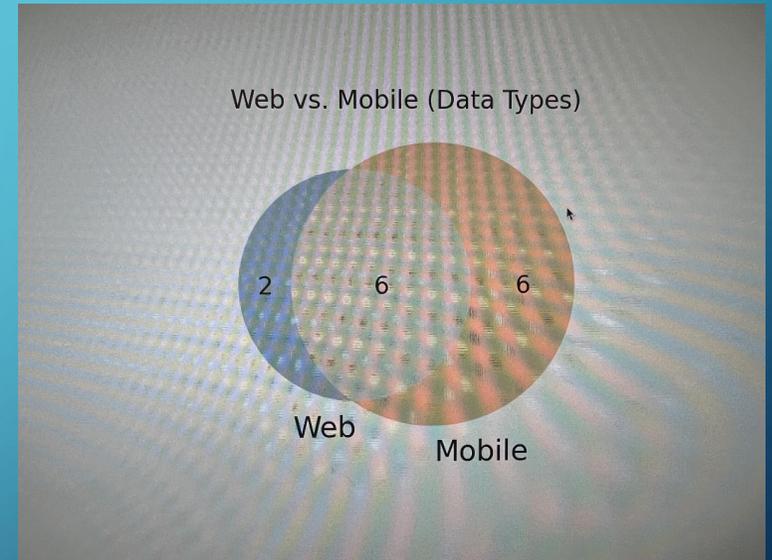
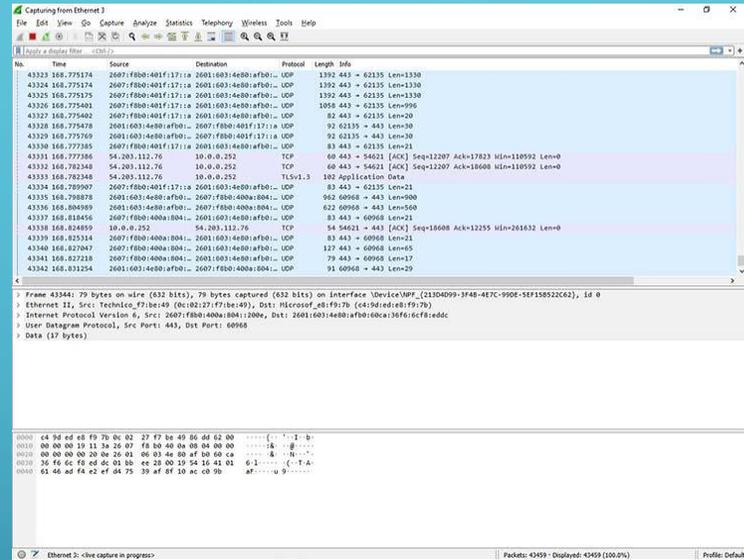
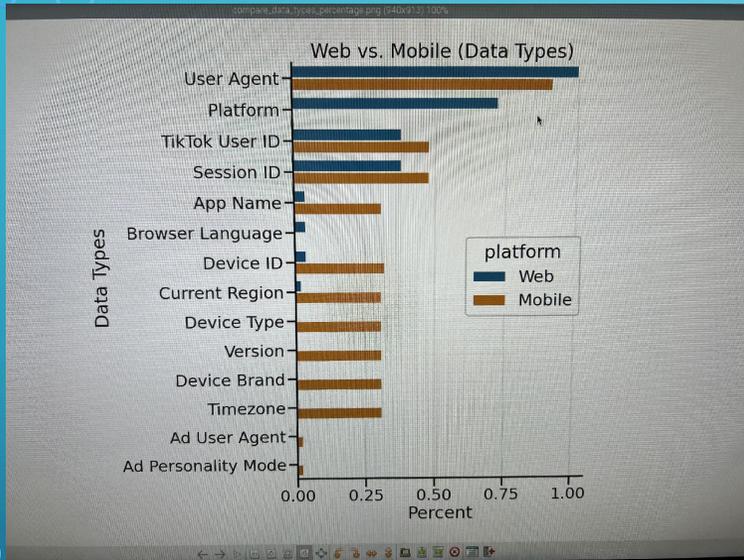


# PROCESS OF COLLECTING TIKTOK DATA



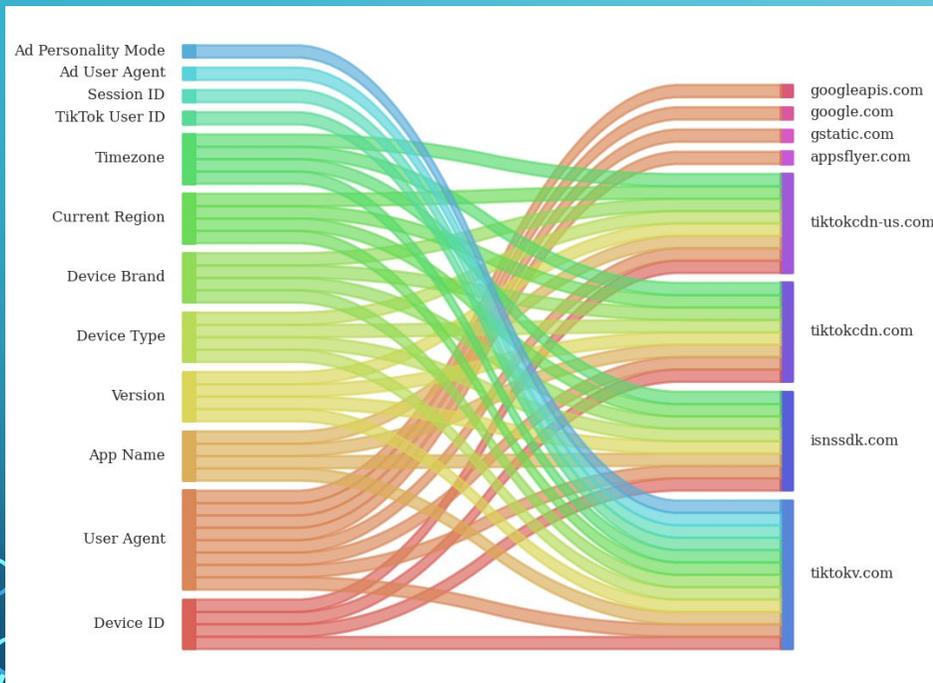
- **LIKING, COMMENTING, BOOKMARKING, SHARING, FOLLOWING, ETC...**
- **PRESET TIKTOK ACCOUNT WITH MOVIES**
- **LIKED AND FOLLOWED CAR RELATED ACCOUNTS AND VIDEOS**
- **PERSONALIZED FEED WITH VIDEOS ABOUT CARS**

# COMPARING WEB AND MOBILE DATA

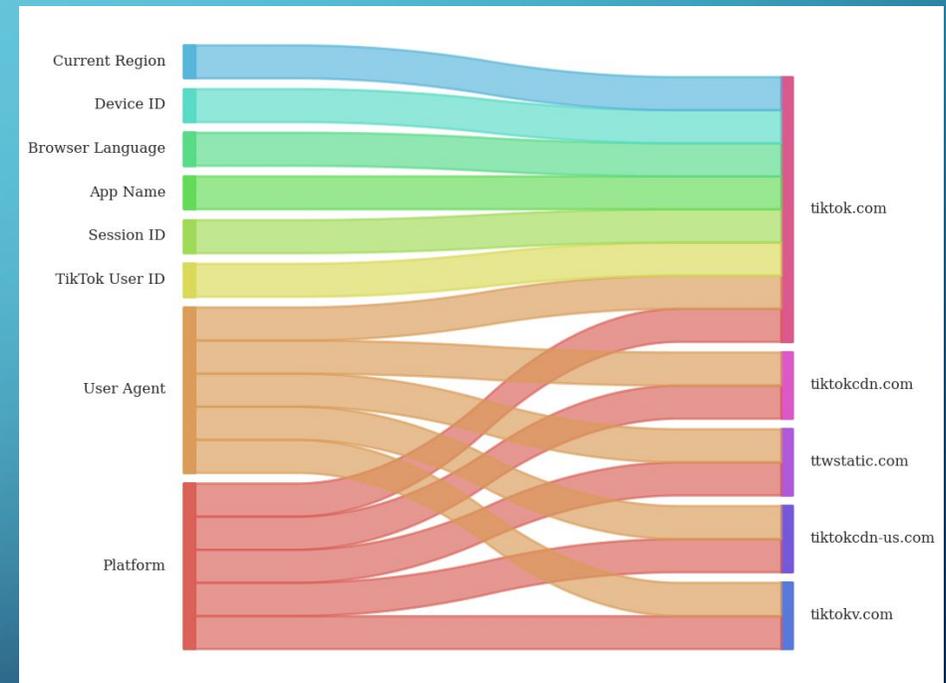


COLLECTS AND ANALYZES PACKETS FROM NETWORK

# TIKTOK MOBILE VS WEB

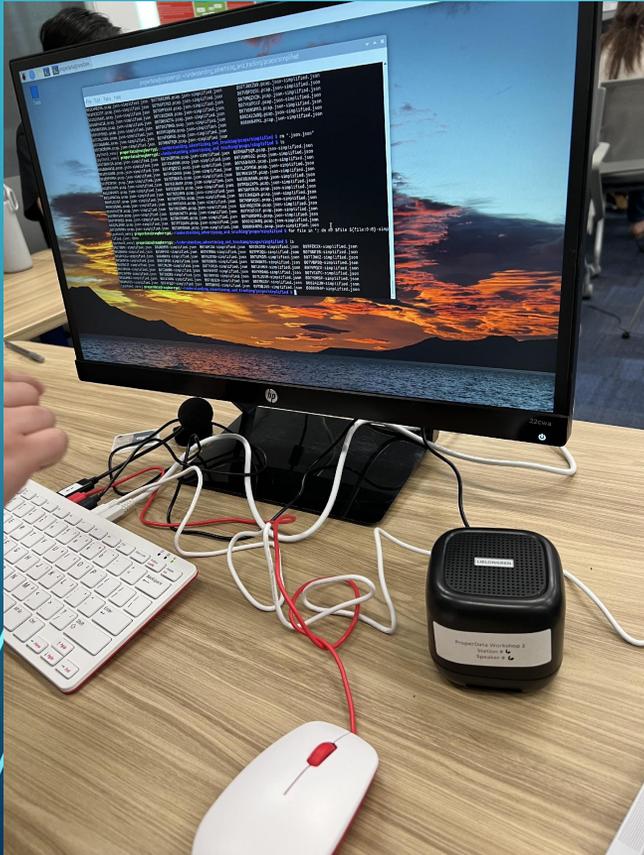


**TIKTOK MOBILE DATA  
COLLECTION**



**TIKTOK WEB DATA  
COLLECTION**

# OVERALL EXPERIENCE AND CHALLENGES



- **BUILT OUR OWN VOICE ASSISTANT**
- **EXPERIENCE USING TERMINAL**
- **LEARNED ABOUT DIFFERENT METHODS OF TRACKING (STATELESS TRACKING, STATEFUL TRACKING, ETC...)**
- **USED RASPBERRY PI AND CREATED OUR OWN UNIQUE SKILL**



- **ACCIDENTALLY WIPED OUR MYCROFT CLEAN**
- **HANGMAN GAME WOULD NOT GENERATE PROPER RESPONSE BACK**

# THANK YOU TEAM

