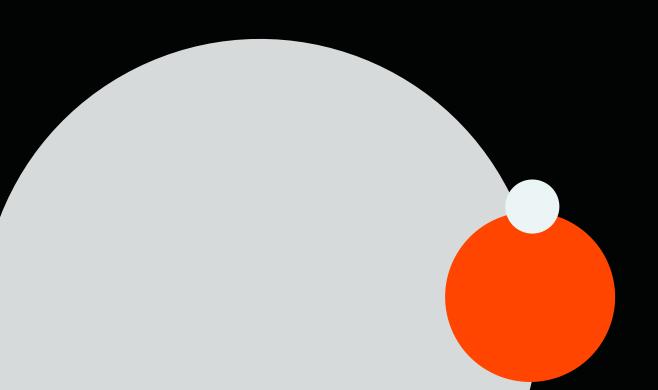
## Shane's r/memes crawler

Check out the GitHub repository:

https://github.com/gcshane/reddit-crawler

Telegram Bot Link:

https://t.me/shanes\_reddit\_crawler\_bot



• Front End: React.js + CSS

• Back End: Flask + PRAW + FPDF + Telegram Bot API

Database: MongoDB

### r/Technology Stack

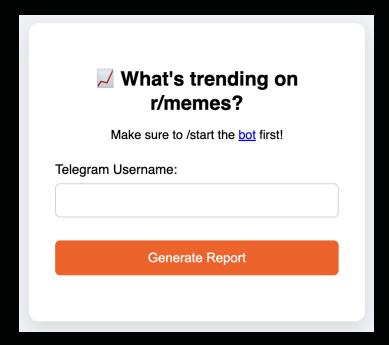
- React.js: wanted to learn something new + widely used
- Flask: familiarity + development speed
- MongoDB: less overhead + no need for multi-table relationhsip

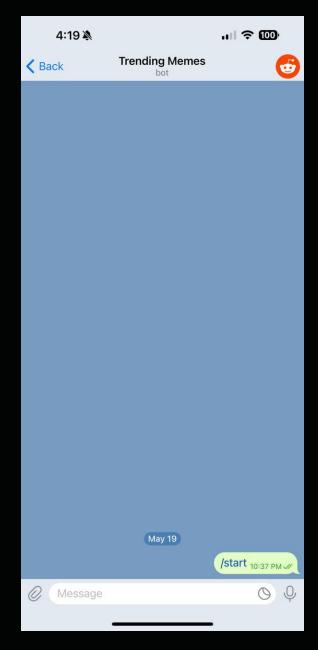
#### r/Technology Stack Considerations

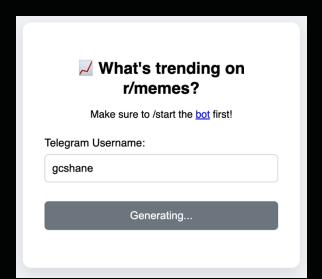
### r/User Flow

2. Redirected toTelegram bot and /start it

#### 1. Initial View





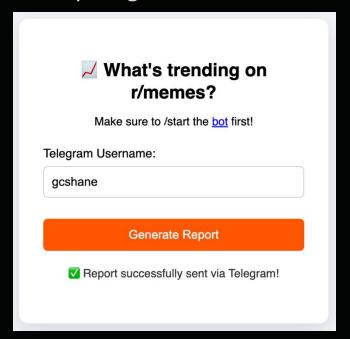


3. Enter TelegramUsername and click"Generate Report"

#### r/User Flow

5. User receives report from bot

#### 4. Report generated

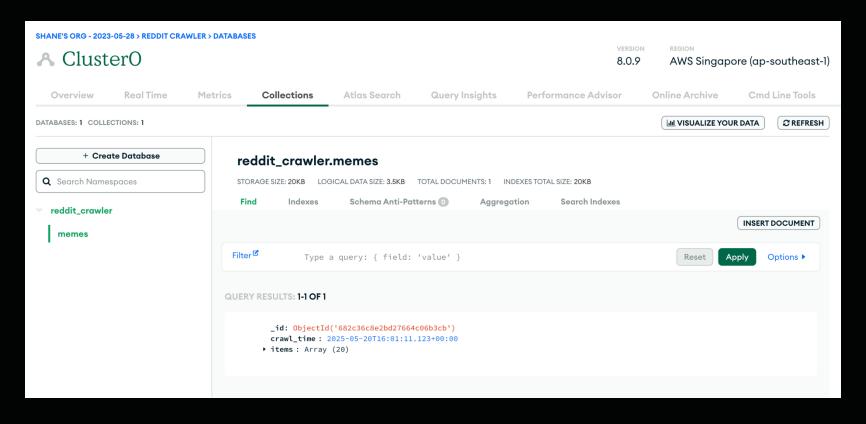






# 6. User can view report

#### r/Behind the Scenes



Flask application makes API call to <u>Reddit</u> to GET the <u>top 20</u> posts in the <u>last 24 hours</u> from <u>/memes</u> at the <u>time of crawl</u> and stores the results in <u>MongoDB</u>

#### r/Al Assistance

Generally, I had a good idea on what to do from my own research and did most of the coding on my own. AI was mostly used to solve dependency-related issues... and to generate React code which I modified by myself. Create a simple landing page with a react component that does the following:

- input subreddit name
- input integer for top number of posts
- telegram username
- reddit time filter such as "day"

clicking the submit button should make a http call to my api

Flask app can't detect fpdf2 library

why is my python f string giving me this error UnicodeEncodeError: 'latin-1' codec can't encode character '\u2019' in position 65: ordinal not in range(256)

File "/Users/shanegoh/Documents/GitHub/reddit-crawler/venv/lib/python3.13/site-packages/fpdf/fpdf.py", line 469, in add\_font

raise RuntimeError("TTF Font file not found: %s" % fname)

RuntimeError: TTF Font file not found: fonts/DejaVuSans.ttf

