



# CitizenFirst

## Team Delimiters

Enfa Rose

Akshatha Nayak

Garima Yadav

Sneha Jayasankar



# CitizenFirst

News Analytics for better Election  
Choices



# Motivation

- Elections brings forth a lot of fake news, criminal case against candidates etc
- Citizens often take the decision of who to vote for, based on what the media covers at the campaign period.
- So - Provide accurate data on what happened over the past term, profiles of candidates, promises given but not kept, issue and corruption trends etc to make the decision.



# Tools Used

- Scripts for Natural Language Processing using , pandas and NLTK libraries in Python
- Web Application using Flask framework and HTML, CSS, JavaScript for frontend
- Version Control-Gita
- IDE-Sublime Text, Atom, Jupyter
- Developer Tools- Chrome Developer Tools



# Proposed Solution

- Scrapes/collects news articles and related media contents daily.

We use a variety of text processing techniques which include but are not limited to tagging, filtering, classifying, entity recognition and sentiment analysis etc to curate content.



# Goals and Objectives

We aim to make it easier for people to choose their ministers by providing them with recommended news based on their interests on specific causes and by ranking ministers based on their work on those particular causes. People will be able to make better election choices if they have minister specific summary data.

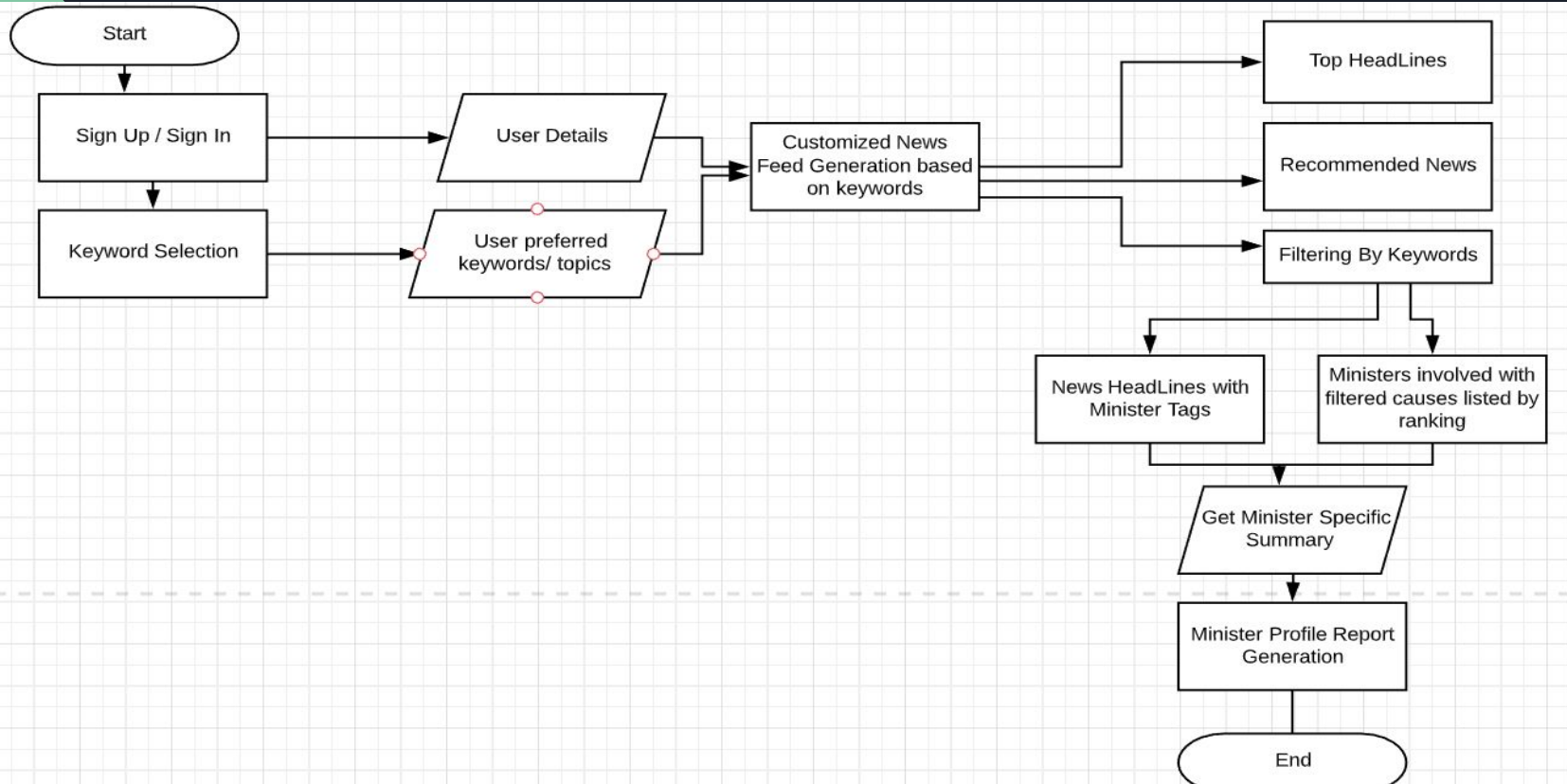
- Customized news feed generation based on causes the user cares for.
- Top performing candidates/ministers on each domain
- Recent developments on popular social causes curated separate.
- Top headlines based on selected keywords/causes.



# Goals and Objectives

- Profile report generation for each minister o Showcase their contribution on various social/political causes
- What has been their recent work on each domain.
- What are the topics around which the minister is frequently associated with.
- For eg: If corruption is one such keyword, chances are high that the minister is alleged on various corruption cases. General news so that the user don't need to go elsewhere for his/her information needs.
- Thus becoming a one stop solution for all information needs for you to make the right choices for a better India tomorrow.

# Architecture







# Scalability & Feasibility

- Multi Thread Processing for Scrapping
- Solr for Big Data Management
- With a variety of similar tools available, we are confident about the scalability and feasibility



# How's it different from other apps in the same domain

- Other apps use broad keywords like science, sports etc. to filter the news while our keywords are specific and related to a single domain namely social causes thereby giving precise recommendation to the users.
- Apart from that, ranking of the ministers based on their association to selected keywords and their work on that social cause is something unique to our project.



# Business Perspective

- Advertisements/ Banner Ads
- Subscriptions
- Data is the new oil
- Relevant event promotions



# Web Application - Usage Flow



# Sign Up

**SIGNUP**

ABC

abc@gmail.com

.....

**SIGNUP**

# Select Causes of Interest

## Select causes of interest

Illiteracy	Terrorism	Casteism	Untouchability	Corruption
Overpopulation	Child Marriage	Starvation	Child Labour	Gender Inequality
Dowry	Women	Child Sexual Abuse	Communalism	Religious Violence
Marital Rape	Child Trafficking	Poverty		

## Selected topics :

Submit

# Selected Causes

## Select causes of interest

Illiteracy	Terrorism	Casteism	Untouchability	Corruption
Overpopulation	Child Marriage	Starvation	Child Labour	Gender Inequality
Dowry	Women	Child Sexual Abuse	Communalism	Religious Violence
Marital Rape	Child Trafficking	Poverty		

## Selected topics :

Women	Dowry	Gender Inequality
-------	-------	-------------------

Submit

# Get customized news feed based on selected causes of interest

## Popular tags

Illiteracy
Terrorism
Casteism
Untouchability
Corruption
Overpopulation
Child Marriage
Starvation
Child Labour
Gender Inequality
Dowry
Women
Child Sexual Abuse
Communalism
Religious Violence
Marital Rape
Child Trafficking
Poverty

## Customized News Feed

### Today's News in Videos: Rains, Thunderstorms, Wreak Havoc; SRKs Zero Teaser

The Quint

2018-06-14

Purnendu Pritam With heavy rains, thunderstorms and sandstorms, nature has wreaked havoc in multiple parts of the country throwing normal life off gear in many states. Three people were reported dead and eight were trapped in a landslide due to heavy...

Tags

Tagged Ministers

Women

### Rajasthan Election Results: Sachin Pilot On Congress Winning Formula | Exclusive Interview

Indira Basu

2018-08-31

Ahead of the Rajasthan assembly elections on 7 December, the Congress party's state President Sachin Pilot, spoke to . In a scathing critique, Pilot said of the incumbent Rajasthan government: It is believed that there is a strong sense of anti-incu...

Tags

Tagged Ministers

Women

### Rajasthan Election Exclusive: Manvendra Singh Calls for Azaadi in Vasundharas Bastion

Aishwarya S Iyer

2018-11-30

Mohd Irshad Alam Not only did Manvendra Singh quit the BJP and join the Congress party ahead of the Rajasthan Assembly elections, but is now also contesting against sitting BJP Chief Minister Vasudhara Raje. met him in Rajasthan's Jhalawar district,...



# Choose a tag to view news relevant to the tag

## Popular tags

Illiteracy
Terrorism
Casteism
Untouchability
Corruption
Overpopulation
Child Marriage
Starvation
Child Labour
Gender Inequality
Dowry
Women
Child Sexual Abuse
Communalism
Religious Violence
Marital Rape
Child Trafficking
Poverty

## Customized News Feed

Today's News in Videos: Rains, Thunderstorms, Wreak Havoc; SRKs Zero Teaser

The Quint

2018-06-14

Purnendu Pritam With heavy rains, thunderstorms and sandstorms, nature has wreaked havoc in multiple parts of the country throwing normal life off gear in many states. Three people were reported dead and eight were trapped in a landslide due to heavy...

Tags

Tagged Ministers

Women

Rajasthan Election Results: Sachin Pilot On Congress Winning Formula | Exclusive Interview

Indira Basu

2018-08-31

Ahead of the Rajasthan assembly elections on 7 December, the Congress party's state President Sachin Pilot, spoke to . In a scathing critique, Pilot said of the incumbent Rajasthan government: It is believed that there is a strong sense of anti-incu...

Tags

Tagged Ministers

Women

Rajasthan Election Exclusive: Manvendra Singh Calls for Azaadi in Vasundharas Bastion

Aishwarya S Iyer

2018-11-30

Mohd Irshad Alam Not only did Manvendra Singh quit the BJP and join the Congress party ahead of the Rajasthan Assembly elections, but is now also contesting against sitting BJP Chief Minister Vasudhara Raje. met him in Rajasthan's Jhalawar district,...

# Choose a minister to view analytics on them

Child Sexual Abuse
Communalism
Religious Violence
Marital Rape
Child Trafficking
Poverty

that there is a strong sense of anti-incu...

Tags

Women

Tagged Ministers

Rajasthan Election Exclusive: Manvendra Singh Calls for Azaadi in Vasundharas Bastion

Aishwarya S Iyer

2018-11-30

Mohd Irshad Alam Not only did Manvendra Singh quit the BJP and join the Congress party ahead of the Rajasthan Assembly elections, but is now also contesting against sitting BJP Chief Minister Vasudhara Raje. met him in Rajasthan's Jhalawar district,...

Tags

Women

Tagged Ministers

Exclusive Interview: Uttam Kumar Reddy Telangana Cong Chief Speaks to The Quint

Smitha TK

2018-11-25

Ashutosh Bharadwaj Smitha TK The race to win the Telangana throne is getting more thrilling as election day approaches. As ruling Chief Minister K Chandrashekar Rao (KCR) is busy promising welfare schemes to farmers, he has competition brewing in the...

Tags

Women

Tagged Ministers

Narendra Modi

Amrinder Singh is Like a Father to Sidhu: Navjot Kaur Clarifies

The Quint

2018-11-30

# Custom news feed and minister rankings based on selected cause

## Customized News Feed

### Sohrabuddin Encounter: Details of 30 Witnesses Who Turned Hostile

Poonam Agarwal

2018-01-29

As many as 92 witnesses in the Sohrabuddin fake encounter case turned hostile during cross-examination in the court. has exclusively accessed the list of 30 prosecution witnesses who turned hostile while they were crossed examined before the CBI cou...

Tags

Terrorism

Tagged Ministers

### Will Be Happy to Meet PM Modi, Ready for Talks: Pakistan PM Imran Khan

The Quint

2018-11-29

A day after the Kartarpur Corridor ceremony, Pakistan Prime Minister Imran Khan said on Thursday, 29 November, that he will be happy to meet his Indian counterpart Narendra Modi. "I will be happy to meet Prime Minister Narendra Modi and talk to him,"...

Tags

Terrorism

Tagged Ministers

Narendra Modi

### Kartarpur Corridor: How Much Longer Will Captain Amarinder Singhs Rivalry With Navjot Singh Sidhu Continue?

Tridivesh Singh Maini

2018-11-29

Tensions between cricketer-turned-politician Navjot Singh Sidhu and Punjab Chief Minister Captain Amarinder Singh came to the fore, when the latter, in an interview to a TV channel stated, that he had

## Top Ministers

Narendra Modi

Rajnath Singh

Sushma Swaraj

Nirmala Sitharaman

Arun Jaitley

Ravi Shankar Prasad

Venkaiah Naidu

Giriraj Singh

Hardeep Singh Puri

Harsimrat Kaur Badal

Manohar Parrikar

Nitin Gadkari

Mahesh Sharma

Prakash Javadekar

Rajyavardhan Rathore

Bandaru Dattatreya

Dharmendra Pradhan

Jitendra Singh

Mukhtar Abbas Naqvi

Piyush Goyal

Ram Vilas Paswan

# Minister profile with relevant news feed and analytics on causes they advocate for

## Maneka Gandhi

### Political party

BJP

### Portfolio

Minister of Women and Child Development

### News

#### Opinion | Indian Political Parties #MeToo Moment: Can They Too Constitute Internal Complaints Committee?

Adrija Jayanthi

2018-10-23

The furore of the #MeToo movement, unsurprisingly, has hit the shores of political parties with several allegations of sexual harassment against prominent politicians. MJ Akbar, the Minister of State for External Affairs, has been accused of sexual h...

#### Tags

Women

#### Tagged Ministers

Maneka Gandhi

### Top Causes

Illiteracy

Child Sexual Abuse

Poverty

Corruption

Marital Rape

Women

#### #MeToo India: Its Not A Womens Only Issue, Media Coverage of the Movement Should be Relentless

Nishtha Gautam

2018-10-19

How much #MeToo is too much #MeToo? While the naysayers are going all out and calling the #MeToo movement everything from " " to "political conspiracy", even some allies are beginning to feel that the movement has been getting undue media attention. ...



THANK YOU