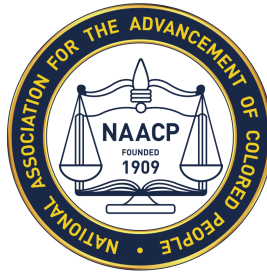


[NAACP Legal Defense Fund]



The NAACP Legal Defense and Educational Fund is one of the most prominent civil rights organizations in the country, having pursued cases such as *Brown v. Board of Education*. “LDF seeks structural changes to expand democracy, eliminate disparities, and achieve racial justice in a society that fulfills the promise of equality for all Americans.” Currently, one of the LDF’s main focuses is the protection of voter rights.

Project Description

The goal of this project is to develop an application for monitoring and reporting suspected cases of election-related misinformation in real-time. Channels to monitor include, but are not limited to, elected officials’ websites, news articles, and Twitter. The application will be fed live data from predetermined sources, analyze and flag suspicious and anomalous content, and produce an alert/notification for each incident and or a recurring report summarizing new incidents.

- Data Engineering and Collection: Meet with client to discuss current data available, data available upon request, and data to collect. The team will process, label, and build custom and client-provided datasets as necessary for the project. This data may include
 - Client’s past datasets of misinformation sources
 - Partner organization data regarding misinformation
 - Custom dataset built by scraping election-related news and social media
- Modeling: Utilize machine learning and natural language processing techniques to build a model which predicts the truthfulness of given content. The team will explore a variety of methodologies to maximize accuracy and generalizability.
- Application Engineering: The team will build a software application which integrates the previously built model(s) and feeds it a live stream of social media and news data. The team will explore methods for live alerts and the automatic generation of a report summarizing previous incidents utilizing Generative AI.

Internal Partners: Voting Rights Attorney, Victoria (Tori) Wenger

Datasets: See “Data Engineering and Collection” above.

Coding Languages: Python

Specific Skills

1. Web scraping, working with twitter/news APIs
2. Machine Learning: NLP, Modeling, Generative AI (GPT)
3. Application engineering

Expected Technical Difficulty: **Medium/Advanced**

LEVEL OF CONFIDENTIALITY: INTERNAL USE ONLY