Team Formation & Project Proposal

Team member names: Rainer Gabriel Santos, Rajvir Singh, Emmanuel Renderos, Jay Patel, Tochukwu Awujo
Project Title: AI Fake News Detector **Individual**
Github repo Link:
https://github.com/jaypatel17486/AI-FAKE-NEWS-DETECTOR

Project Proposal

Fake news is very prevalent in the modern world, and has been amplified with the use of AI becoming more widespread. Actors can now utilize AI to mislead people with fake images and videos that look real, on top of already existing traditional fake news sources. Fake news media can be problematic to a well-functioning society, and it can at times be difficult to discern correct information from incorrect or misleading information in this digital age.

With this problem in mind for our second semester project for COMP 491/L, we are deciding to develop an AI Fake News Detector App. We will develop this app with the instructor specifications in mind and utilize AI services along with cloud deployment for the application. We aim to have the AI Fake News Detector app analyze the bias and credibility of the input news media and provide sentiment analysis. Likewise, we will incorporate Microsoft Azure, AWS and GCP into our project. The project is so far in early planning. As a group, we have also decided to include image analysis as a feature in our app. We hope to be able to analyze images and determine if they AI generated or not. We will also utilize web ingestion to analyze articles or news media that the user specifies. AI will conduct the analysis of the news media or the image. Additional features we look at will include targeting a portion of our app to instagram or social media platforms due to the high volume of disinformation on these platforms. The analysis conducted by the AI on the given piece of media will either be displayed as a pop up. A percentage will gauge the contents accuracy and there will be multiple parameters showcasing the breakdown of the analysis. Alternatively, a report could also be generated that summarizes the results of the analysis. Parameters include credibility, content quality, and fact-check results. Key claims that can be fact checked are labeled as supported, refuted, or categorized as not enough information.