ABSTRACT

The rapid growth of digital media has led to an increase in the spread of misinformation and fake news, posing significant challenges to society. To address this issue, this project presents an AI-powered News Aggregator Website that automatically collects news from various online sources and evaluates their authenticity using machine learning techniques. The system functions similarly to popular platforms like DailyHunt but integrates an advanced Fake News Detection Module that analyzes each news article before presenting it to the user.

The fake news detection model is developed using Natural Language Processing (NLP) and supervised machine learning algorithms trained on benchmark datasets containing labeled real and fake news. The model evaluates linguistic patterns, semantic meaning, and source credibility to predict whether a news item is Real, Fake, or Suspicious, along with a confidence score. The backend is implemented using modern web technologies, ensuring secure and efficient processing, while the frontend provides users with a simple, clean, and interactive interface for browsing trusted news.

This system aims to help users consume reliable information by minimizing the impact of misinformation. The project demonstrates the integration of AI, web technologies, and data analytics to create a socially relevant, practical, and scalable solution to modern digital challenges.