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Project Title: Parsing of Social Media Feeds

Abstract

The increasing role of social media in modern criminal investigations has highlighted the need for effective tools to streamline the process of extracting and documenting data from suspects' accounts. Manually reviewing and creating records such as Panchnamas from social media platforms is prone to human error and is often time-consuming, requiring precise documentation of posts, messages, timelines, friend lists, followers, account information, and other critical details.

This project aims to develop an automated tool that can parse social media accounts—including platforms like Facebook, Twitter, Instagram, Telegram, WhatsApp, and Google accounts—and systematically capture the data in a documented format. The tool will generate screenshots of relevant data, allowing investigators to thoroughly review the account's contents and print the necessary information as required. This will not only enhance the accuracy and integrity of the investigation process but also significantly reduce manual effort and the potential for oversight.

Technologies Used

- **Backend:** Django (Python), PostgreSQL
- **Frontend:** HTML, CSS, JavaScript
- **Web Scraping:** Selenium
- **AI Model:** Hugging Face Transformers API (BERT-based classification)
- **Libraries:** PyMuPDF, pdfplumber, Pandas, NumPy, Psycpg2

This project provides an efficient and scalable solution for parsing social media feeds and detecting malicious activities. By combining web scraping, database management, and AI-driven classification, it delivers actionable insights to prevent the spread of harmful content.

Signature of
Guide

Signature of
Project Co-ordinator