

APPROACH

Social Media Content Analyzer is a React application intended to extract text for analysis from uploaded documents (PDFs, images, etc.) in order to assist in enhancing social media engagement. Its main functions are social media document uploads along with the extraction of texts from the said documentation. An added feature is that users are given the choice to upload files either via the drag and drop feature or the traditional file picker, thus improving the overall usability of the app.

In terms of text extraction, the pdfjs-dist package is used for the parsing of PDFs, which in turn allows the retrieval of texts without stripping away the formatting. Images as well as scanned documents are processed through Tesseract.js, which is a JavaScript OCR library that functions completely through the browser. This guarantees that the application functions entirely through the frontend, thus removing any need for a backend and easing the deployment process.

The application maintains a high level of user experience as it implements indicators of loading while in processing, manages errors in case of invalid uploads, and provides a neat display of the extracted text with the option of copying. The simple display is achieved with uncomplicated CSS, which also improves clarity as well as the responsiveness of the application.

Each aspect of the project is compartmentalized, having distinct components for file uploading, and text extraction and display. Its configuration supports straightforward deployment on Vercel, as it only demands...

WORKING URL- <https://content-analyzer-azure.vercel.app/>

REPOSITORY- [GITHUB REPO LINK](#)