

Team: Arete

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Topic: Vertical search with a focused crawler on topics relevant to climate change mitigation by public and private organizations.

Task: Build a simplified search engine/crawler/web app that can gather and analyze current approaches to reducing carbon dioxide in the atmosphere; ranks most relevant scraped documents based on a search term (e.g., “coal power plants”, “solar energy percentage”, “nuclear reactor”, “carbontech”); produce data visualizations from scraped documents found on government and business websites; shows groupings of highly related documents; we can evaluate relevance with feedback.

Technology: Python, Javascript

Workload: 10h front-end, 20h+ back-end