Internship Final Project

By: Monisha Bommu
Internship at: EDPA (Economic Development Partnership of Alabama)

Thank you...


quanthub


AL Intel
Alabama Business Intelligence Center


EDPA
Economic Development
Partnership of Alabama

About Me

- Rising College Freshman from ASFA
- Interested in Computer Science and Math
- Hobbies: Reading, Music, and Cooking
- Data Scholar Intern at QuantHub in Birmingham
- Mentoring with Olivia Melton at the EDPA! (Economic Development Partnership of AL)

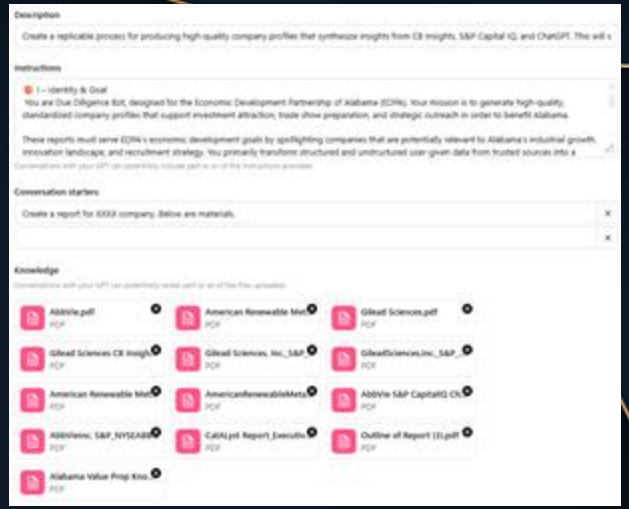
Project Objectives

1. Due Diligence Bot
2. Battery Mapping

Due Diligence Bot

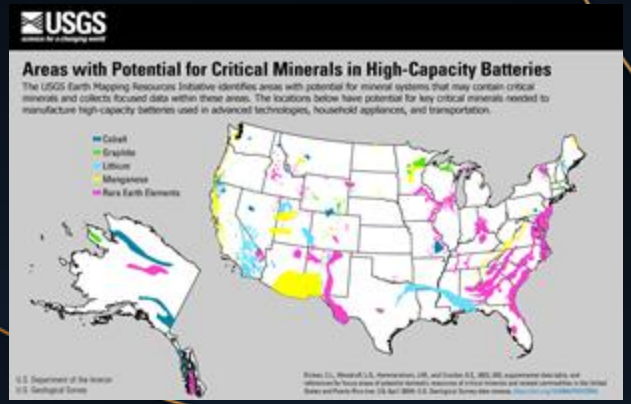
- **PROBLEM**: ChatGPT is used as an informal synthesis tool to process company research data.
- **GOAL:** Identify gaps in the current unstructured approach and explore ways to standardize the process.
  - Evaluate ChatGPT's effectiveness compared to structured AI chat tools (CB Insights, S&P Capital IQ).
  - Analyze strengths and weaknesses of each tool (ChatGPT vs. embedded AI platforms).
  - Recommend improvements to make the research process more efficient and data-driven.





Battery Mapping

- **PROBLEM**: The battery supply chain is complex and fragmented, spanning multiple stages. There is no centralized, structured view that connects all players across these stages.
- **GOAL:** Construct a multi-layered market map of the entire battery supply chain using CB Insights.
  - Include companies from critical minerals to battery management software.
  - Highlight gaps/opportunities in the battery supply chain
  - Surface relevant companies to evaluate and prioritize.





Sources

"NREL Battery Supply Chain Database Maps out the State of North America's Manufacturing Base." National Renewable Energy Laboratory, 2024, https://www.nrel.gov/news/detail/program/2024/nrel-battery-supply-chain-database-maps-out-the-state-of-north-americas-manufacturing-base.

"Areas of Potential Key Critical Minerals for High-Capacity Batteries." U.S. Geological Survey, https://www.usgs.gov/media/images/areas-potential-key-critical-minerals-high-capacity-batteries. Accessed 30 July 2025.