[Odyssey Therapeia]

Odyssey Therapeia is a biotechnology company founded in 2020 and based in Bengaluru, India. The company focuses on developing next-generation biotechnology products and services, with partnerships across Big Tech (Amazon, Oracle, etc.) as well as customers across India (integrated into all the major hospital networks across the country)..

Project Description

The main goal is to transform Odyssey's existing LLM-based patient management platform Concierge into a multitenant-capable full fledged AI SaaS platform for healthcare by focusing on the creation of an adapter system for heterogeneous healthcare data endpoints. This entails:

- Developing a universal data adapter that standardizes data formats across different healthcare systems, simplifying integration and reducing costs.
- Building a robust data ingestion system to handle real-time healthcare data for improved decision-making and patient care.
- Implementing advanced security measures to ensure data compliance with regulations such as HIPAA, along with strict data isolation for each healthcare provider.
- Integrating the above data ingestion mechanisms with existing and new infrastructure for harnessing autonomous LLM agents.

See here for details: 📄 Concierge proposed collaboration scope harvard's HDAG

Internal Partners: Director of Innovation at Odyssey, + collaborators from AWS and Oracle

Datasets:

1. Healthcare system data provided by Odyssey

Coding Languages: Python

Specific Skills
1. Data management/collection/curation/ingestion/cleaning with Python
2. Knowledge of basic software systems/concepts related to multi-tenancy and data compliance
3. Practical knowledge around LLMs, building not just chatbots but also agentic LLM-powered workflows

Expected Technical Difficulty: **Medium/Hard**