

# **AMS Project Progress Report (Advisor Matching System for University Students)**

## **Tasks Completed**

Our team has successfully initiated the "Advisor Matching System" project with significant progress in the data collection and interface design components. We've extracted and scraped faculty data from the University of Illinois directory, obtaining names and designations of faculty members. Subsequently, we gathered research interests by scraping Google Scholar profiles to identify the top five interests per faculty member. This data is being compiled into a custom dataset. Additionally, we've completed the design of the user interface for the form where students will input their research interests.

## **Tasks Pending**

The next phase involves the integration of the UI with the backend. We plan to dynamically scrape faculty research interests in real-time as soon as a student inputs their data. This will feed into our matching system where we will implement and compare different similarity algorithms to find the best match between students and advisors. The aim is to finalize the similarity function that will be used to rank the advisors according to the relevance of their research interests with those of the students.

## **Challenges faced**

One current challenge is the need to ensure that the data scraping process aligns with the latest updates in faculty profiles and research interests. This requires a dynamic system capable of updating the dataset in real-time or at frequent intervals. Additionally, we anticipate the need to optimize the similarity algorithm for accuracy and efficiency, ensuring it can handle the dataset size and complexity.

With these steps, we're on track to develop a robust Advisor Matching System that promises to enhance the academic journey of university students by connecting them with the most suitable advisors.