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**College of Professional Studies**

**EAI 6980 Integrated Exp. Capstone**

**Fall 2021**

**Project Description**

**Finding Opportunity for OCM Advisory with AI**

**Instructor: Joel Schwartz**

**Submitted By:**

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**Project Description**

We'll focus on building a Natural Language Processing (NLP)-based model to assist a web crawler filter out links or search results. This will aid OCM advisors in identifying helpful or relevant connections from a list of probable searches that can help them connect small businesses with huge corporations and help them grow together. Our goal is to collect data from a web crawler, set up a pipeline for the entire process, and then feed the data to a natural language processing model, which will filter out the results. An artificial intelligence-powered search engine, which will help filter out the web search results according to the client needs. We're utilizing the [IMDB review dataset](https://www.kaggle.com/lakshmi25npathi/imdb-dataset-of-50k-movie-reviews) as an alternative dataset to train our model on, and we'll explain the similarities between the datasets and the outcomes obtained by our model to the OCM advisory. We intend to create a model based on [Open AI's](https://openai.com/) GPT-3, an autoregressive language model for generating human-like writings, which is currently one of the finest technologies on the market. It is trained using billions of parameters that are freely available on the internet.