

SEMANTIC SEARCH AI HACKATHON

LINGUASCOPE

SOLO MEMBER – RADHIKA SRINIVASAN



INTRODUCTION

- ▶ San Francisco Bay Area, United States
- ▶ Analytics and Machine Learning Professional
- ▶ Fascinated by potential of Natural Language Processing
- ▶ Inspired by Cohere Application for Multi-Lingual semantic search
- ▶ First AI Hackathon!

PROBLEM AND SOLUTION

- ▶ Refugees need to navigate official documentation to quickly access important information.
- ▶ This documentation is in a language they do not understand and often have limited access to translators.
- ▶ Create an app that uses the Cohere API to perform semantic search of official documentation. Users can input query in their own language.
- ▶ Users: Asylum seekers and Immigration agencies

- ▶ Prototype of Ukrainian Refugee immigration into UK
- ▶ Develop a Streamlit app that performs a semantic search of the user provided query text in Ukrainian in official UK documentation in English
- ▶ Returns information related to the query in Ukrainian.
- ▶ Model - 'multilingual-22-12'
- ▶ Deploy - Streamlit
- ▶ Github Repo - <https://github.com/sradical/Cohere-Hackathon>

PRODUCT DEMO

<https://sradical-cohere-hackathon-app-tok1go.streamlit.app/>

BUSINESS MODEL

- ▶ Expand the scope of the app with different languages
- ▶ Provide enhanced query capabilities and output