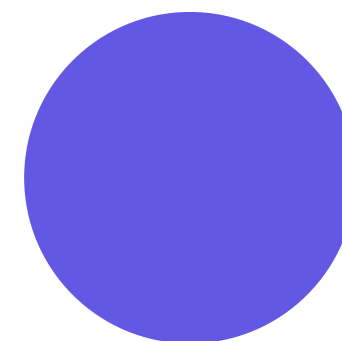


LabLab.ai

Falcon LLMs 24-hours Hackathon

Presentated by Team Fritzlabs



Introduction

Evernote is a place for individuals and teams to capture, nurture, and share ideas in any form.

Capture ideas and information in notes and quickly find them later. Evernote can be connected to Google Calendar to get more done with less effort.



Evernote

Problems



Problem 1

Even with its friendly customized interface, many people struggle to keep track of their schedule due to lack of time or technical knowledge.



Problem 2

Unable to get the key insights from the saved content and Protecting Privacy.



Problem 3

Requires time to figure out what's next and most important to do.

Proposed Solutions



Our task is to create a personalized and interactive recommendation system that helps the user to know which task to perform now.



We provide a more privacy safe and secure service to the user by connecting to the Falcon LLM model on the user-customized Evernote data only.

Technology Used

- We are using open-source LLM Falcon-40b-instruct.
- Currently, we are using our own dummy dataset of Evernote notes.
- The process was developed with Jupyter notebooks.
- Once working it has been integrated with Streamlit to make it more user-friendly.
- Vector storage and Huggingface Sentence Transformers.



Process & Workflow

01

First, we will extract, transform and load the customer Evernote data.

02

The dataset will be placed in a vector storage using HuggingFace Sentence Transformers all-MiniLM-l6-v2

03

Once the user enters a query, the most relevant note inside the vector store is added to a Langchain Prompt Template (RAG-Mechanism).

04

The Falcon Model responds to the User Query according to the Prompt and provided Context.

Our USP



Efficient Integration

We will be designing the app that will effectively integrate with the user data on one go after prompting permission from the user.



Privacy

With the help of using Falcon LLM model and modelling it a for the individual customer, the privacy of data will be maintained.



Ease of Use

The user can easily chat with an AI assistant that can answer the query from the user data without any struggle.



Productivity

Task fulfillment can be achieved more efficiently, also in less time which increases productivity of businesses.

A modern office interior with people working at desks and a large window. The scene is overlaid with a blue-to-purple gradient. In the center, a white-bordered box contains the text "Target Market".

Target Market

Target Market

The target market is the group of all Evernote user.

TAM

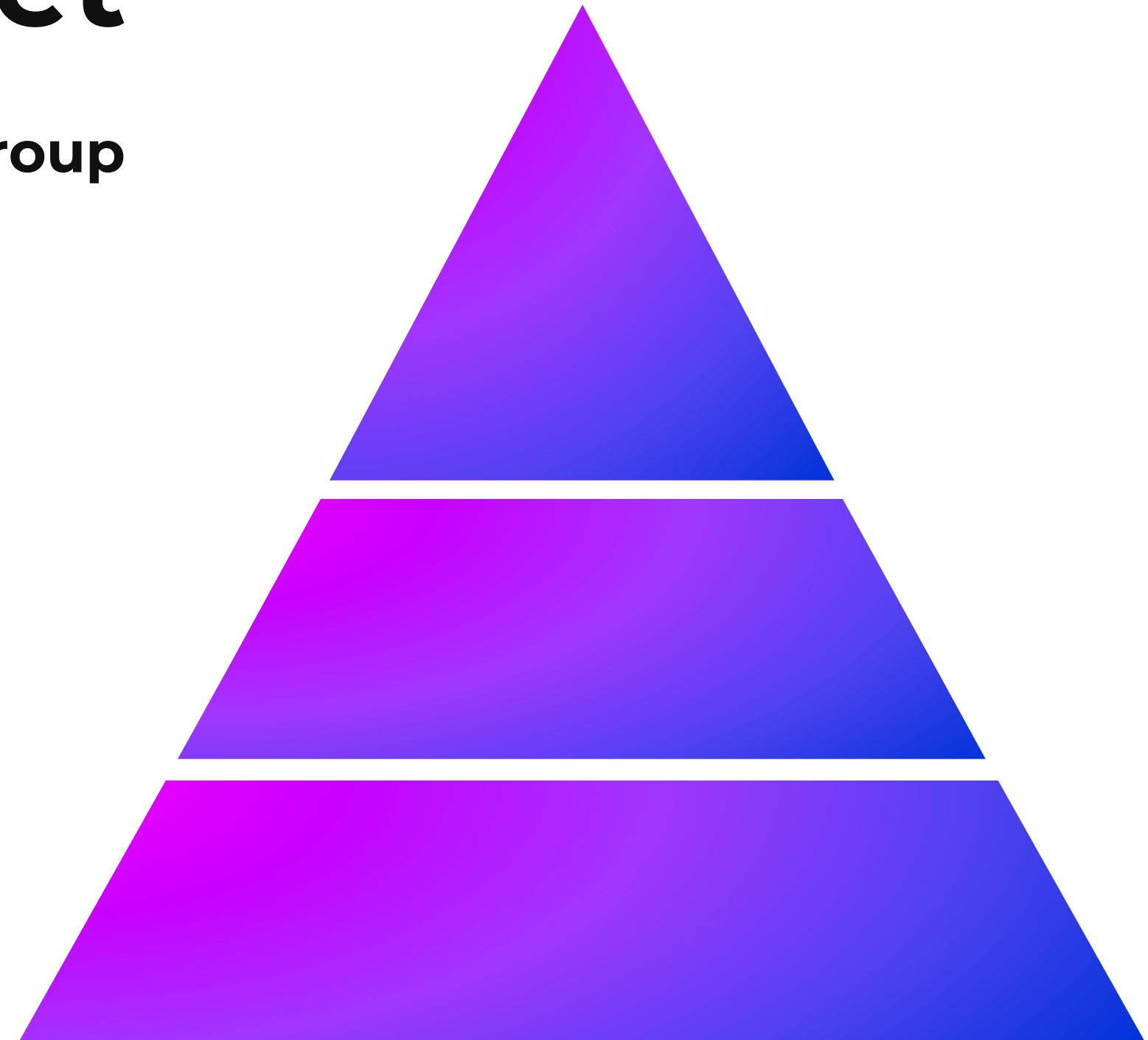
250 Mio

SAM

25 Mio

SOM

2.5 Mio



Revenue Streams



Free Basic Plan: At initial level, for limited amount of data, we will provide free access to user for max 100 Evernote notes.

Pro Plan: In this unlimited package, we can charge some fee and give additional features to the user. If Falcon LLM charges us \$30 monthly and if we charge user for this plan around \$5.

Suppose total user are 1000, then:

$$\text{Profit Margin: } \$1000(5) - \$30 = \$4970.$$

Hybrid Yearly Plan: It can vary to custom plan by user. Pay per notes count.

Competitor analysis

- Microsoft OneNote
- Google Keep
- Notion
- Samsung Notes

And others, they all provide different techniques to maintain notes but not give any optimum solution.



Our Team



Benjamin Senst

Medical Expertise
& Data Science



Muhammad Faraz

Junior Data
Scientist



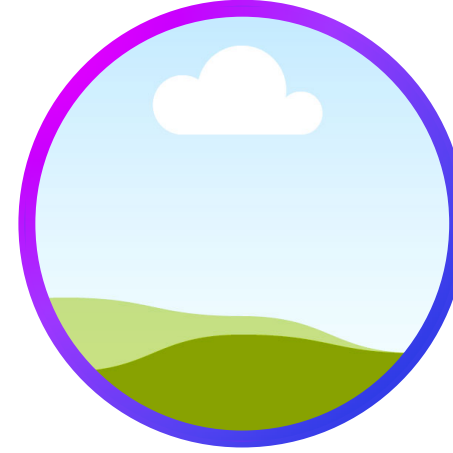
Aqsa Tauheed

AI & Data Engineer



Dhruv Pai Dukle

Student



Abdur Rehman Zubair

Participant




Jaweria Batool

Software Engineer



Future work

- Optimizing the model and vector storage for more fast and accurate result.
 - Better integration with current processes inside Evernote.
 - Optimizing the process for better scaling abilities, as some Evernote users accumulate several ten thousands notes.
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DEMO

<https://everdive.streamlit.app/>

<https://youtu.be/kbF15u1oPFw>