

CBSE SCIENCE EXHIBITION

PROXIE

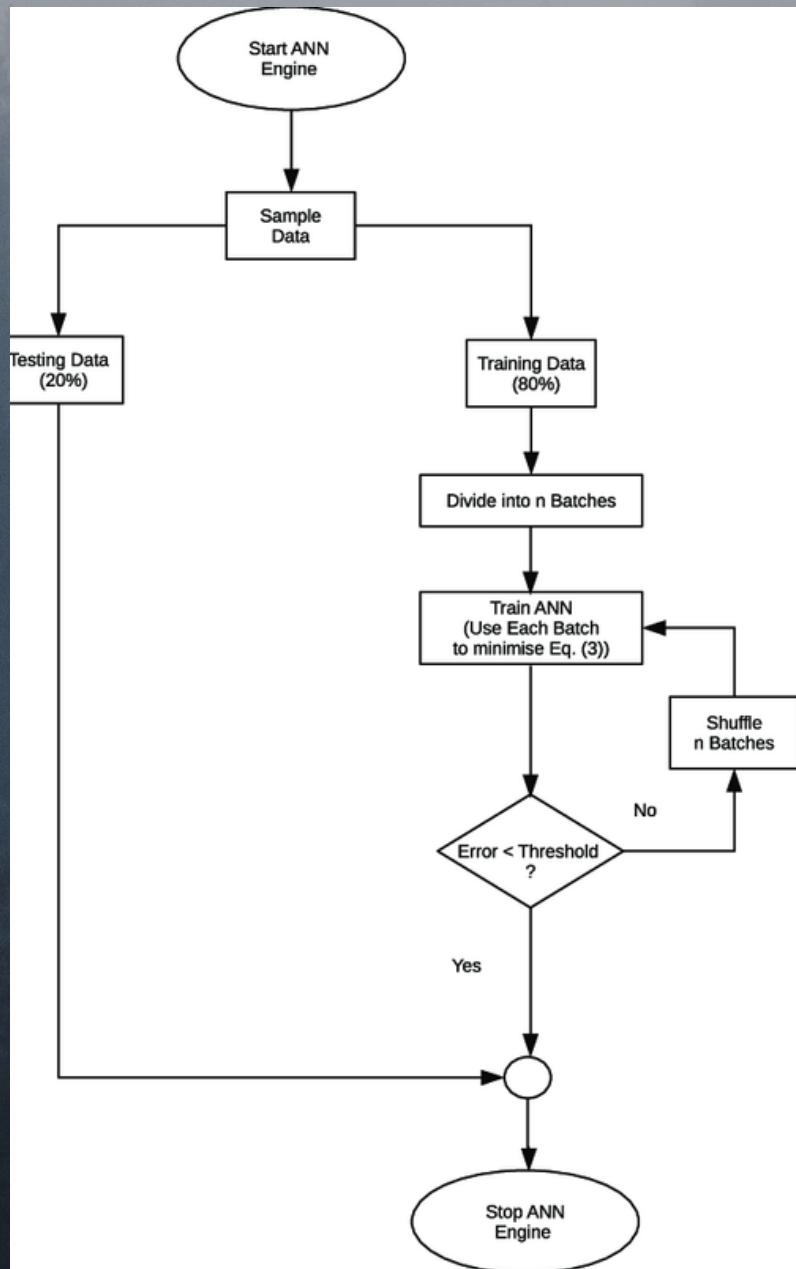
AT YOUR SERVICE

AN ADVANCED VOICE ASSISTANT

OUR GOAL

Most of the voice assistants nowadays are quite costly and inefficient. So we the students of Genesis International School have created an advanced fusion of neural networks. They are trained on over 75 billion neural cells and its possibilities are beyond your imagination. These are Generative Pre-trained Neural Networks which means it has been fed upon all the data and it has updated itself with time using a variety of machine learning modules.

It has the perfect recipe to entertain, inform, update you on almost every topic in the world. We have also designed it in a portable and pocket friendly way by using just 4 components!. The programming language we have used here is Rust and Python and the technologies are ANN (Artificial Neural Networks) , ASR (Automatic Speech Recognition), GPT-3, Machine Learning, Algorithms and Data Science. It took us 2 years to design this neural network!

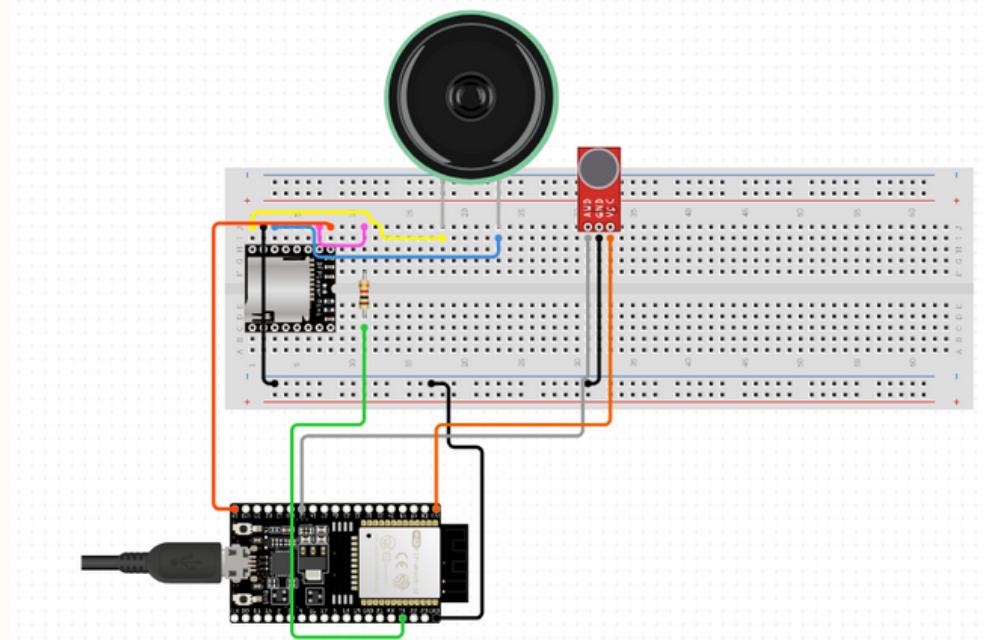
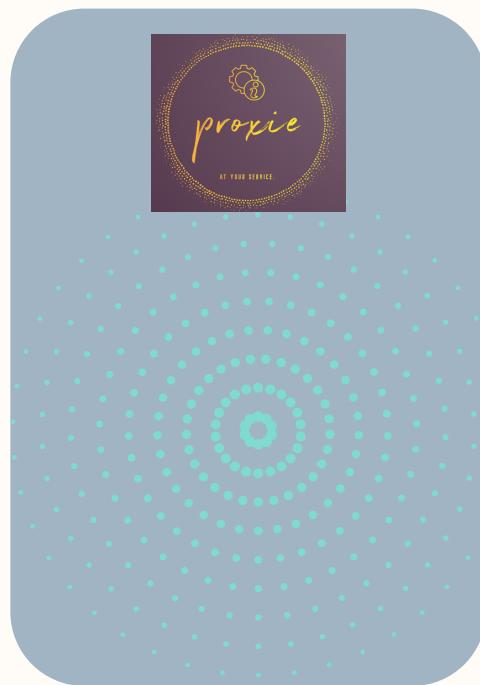


Proxie - At your Service

MODEL

We have also
designed it in a
pocket friendly
way!

We made this possible
using just 4 components



FEATURES

- Full fledged conversation with human.
- Huge database of facts, answers and responses
- Summarization (For eg. condensing 12th grade concepts to a 2nd grade child)
- Grammar, GK, Science, Advanced Calculations, Note taking

Integration of various plugins like -

- APISetu : Official data of Indian Govt.
- Condensation of Court Sessions into just a few lines
: Here, the live RSS feed of tens of pages is extracted and condensed using various algorithms into just a few lines
- News : Addition of APIs from Economic Times, Forbes, NewYork times, Reuters etc
- Data on various topics like Sports, Finance, Health
- Data on Hotels, Restaurants etc.
- Many more APIs like flight tracker, currency exchange, stock prices and cryptocurrencies!

And many more!!

Uses :

- Students - It is quite helpful for students as it has an answer for everything (50 billion facts)
- Journalists - We have added the official indian kanoon api which can summarize all the court sessions, debates and cases into just a few lines using the summarization engine of GPT-3.
- Researchers - The perfect companion for you as it can solve any kind of problem.

Uses :

NLP Application in Judiciary -

In the Indian Judicial System, when a new case comes, it will be helpful for judges, advocates and other people in the system if they get information about the previous similar cases handled. Because of the large number of courts and judgments produced throughout the country, data to be handled is very large and it is difficult to analyze it manually. So, people have started thinking about the applications of Machine Learning in Judiciary, which is a tool that can be used to analyze such a huge amount of data and help to reduce the complexity of the issue. Such developments are helping lawyers in Canada and the legal system there is getting transformed. Adoption of such a system in India will ease the functioning of the Judiciary. In this project, the possibility of using Machine Learning capabilities in Indian judicial system is investigated. It is envisaged to design an interfacing facility through which a user can get necessary information after entering the data related to the current case. The data will be processed in the background using Machine Learning. Requirement of hardware with high computational capability will also be investigated to implement this. This system will also be helpful in the centralization of criminal database and solving the issue of clogging of cases.

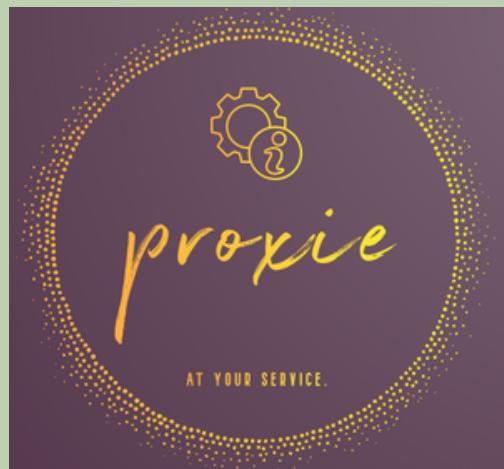
Uses :

For Industries - A quite handy voice assistant which can help in manufacturing products and automation after giving custom training!

For Busy Professionals - A quick assistant which can help automate all the boring tasks and save a lot of time

And for -

Everyone!!



BY -

**NISHANT IYER - A BLOCKCHAIN DEVELOPER
AT CARDANO**

AND

**SHANMUKH - A VFX ARTIST AT MANTRIX
STUDIOS**

THANK YOU!