



NEBULA: A Python-based Virtual Assistant Powered by AIML

The NEBULA project is aimed at building an AI-based virtual assistant for AIML systems using the Python programming language. This assistant would use speech recognition and output text-to-speech features to manage voice commands and keyboard inputs.

Algorithm:

1. Set Up Development Environment
2. Initialize AIML Kernel
3. Main Interaction Loop
4. Process User's Message
5. Respond to User
6. Implement Additional Features
7. Continuous Improvement

Data Set:

SQUAD Dataset
Wikipedia API
Jokes Dataset
Email Sending



NEBULA: A Python-based Virtual Assistant

Assistant Powered by AIML

NEBULA is a Python-based Virtual Assistant Project. This development uses the AIML framework to build a conversational AI. The project leverages the strength of NLP (Natural language processing) in understanding user queries and responding appropriately, thus imitating human interaction. It can be trained to do anything from reminders and information supply to smart home devices and music playing. The AIML framework makes it very easy to integrate new knowledge and skills, hence making NEBULA an easily flexible and adaptive virtual assistant.

Problem Statement:

Cultural and Linguistic Differences:

Any VA hired from a different cultural background could result in challenges related to language proficiency and cultural norms.

Sample output:

User Input: Open YouTube.

Output : YouTube Opened.

Team
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