**Problem Statement**

The goal is to develop a neural network basics chatbot that serves as an educational tool for individuals seeking foundational knowledge in neural networks. This chatbot should be capable of interpreting and responding to a wide array of inquiries, ranging from fundamental concepts and terminology to the various types of neural networks and their applications. It must deliver accurate information in a conversational manner, with the ability to maintain context for follow-up questions. The chatbot will prioritize user-friendliness, quick response times, and a feedback system for continuous improvement, while operating within the scope of basic neural network principles and ensuring user privacy.

**Collecting Data:**

We collected open data from <https://web.pdx.edu/~nauna/week7b-neuralnetwork.pdf>  which gives detailed overview on the neural network basics.

**Building RAG with your own Data**

We have used azure open ai playground to deploy gpt-4-32k model and datasource with upload options into the storage account. We have give the system a message of " You are an AI assistant that helps people find information on neural network based on datasource provided"

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**Deploying the Model and Consuming in client application**

We used webapp deploy option available in playground with B1 tier, which was then deployed to <https://neuralnetworkchatbotgroupc.azurewebsites.net/>

**Examples:**

We have tried following examples and system started responding with right results with citation.

1. What is neural network
2. What Makes NNs “Unique”
3. What are the advantages of neural networks ?
4. What can you do with an NN and what   
   not?

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