

First, I installed all the required components to create this AI

Level 1,

I created a node called chatbot and created a graph of the current ai.

Then I added a calculator tool which identifies the operation and follows bodmas rules and then integrated it with the ai by adding the required workflows to get a new graph.

For Level 2,

I added a tool which uses Tavily search to give the trending fashion trends in the place required and a tool using openweathermap which gives weather of the city entered.

I added these tools to the workflow and for the final AI, I created a graph for the same which shows the workflow.

For Level 3,

I added memory to the ai by importing the necessary library.

Using HumanMessage the ai could choose the tool to be used and also retained memory.

Next, a final workflow was created having all 3 tools and prompts were also given and output was received.

For level 4,

I added 2 more agents. Agent 2 was for general tavily search and Agent 3 had a tool which gave an introduction about the creator of the system.

On adding these 2 agents to the workflow I tested it with another prompt which invoked agent 3 and gave the required output.