

Compulsory Task 2

• Read up on any innovative technology using NLP (by companies such as Google or IBM, for instance) and write a brief summary about the technology, what it achieves/does, and an overview of how it works (250 - 500 words). To take an example, you may have noticed Gmail's auto-response suggestions on your incoming emails. If I send an email to your Gmail address asking for an appointment, on opening the mail you would notice Gmail's automatically suggested response options such as "Yes, that works for me" and "Sorry, I'm not available at that time." • Save your answer in a file called nlp_2.pdf.

On the 7th February 2023, Microsoft announced the reinvention of their Microsoft Edge web browser and Bing search engine introducing the AI-powered Bing Chat.

In the word of Satya Nadella, Chairman and CEO, Microsoft "AI will fundamentally change every software category, starting with the largest category of all – search. Today, we're launching Bing and Edge powered by AI copilot and chat, to help people get more from search and the web."

The new Bing and Edge are designed to blend web search, browsing and chat into one unified experience delivering a vastly improved experience for the end user:

- more relevant results for simple things like sports scores, stock prices and weather, along with a new sidebar that shows more comprehensive answers;
- summarizing results from across the web to find the answer to the question asked without scrolling through multiple results;
- new, interactive chat for more complex searches, allowing the user to refine the search by asking for more details, clarity and ideas;
- content generation - writing emails, creating vacation itineraries with links to book your travel and accommodations, prepping for a job interview or creating a trivia quiz; the new Bing enables the user to see the links to the web content it references;
- updated the Edge browser with new AI capabilities: automatic summarisation and Chat and compose functionalities with added features like updating the tone, format and length of the text generated. Edge can understand the web page you're on and adapts accordingly.

Bing Chat is a new feature of Bing's search engine that allows chatting with an AI chatbot instead of typing search queries. Bing Chat is powered by ChatGPT, a large language model that can generate natural responses based on the user's input and context. Bing Chat can be used to ask questions, get answers, and create content in a conversational way e.g. write a poem, plan a menu, summarize a document, or compare products. Bing Chat can also perform searches and answers in relation to the user's current web page extracting personalized and relevant replies without leaving the page; it even allows the selection of a conversation style from Balanced, Creative, or Precise. Bing Chat will reply with complete answers and cite the sources from web search results; follow-up questions will help refine the search in chat. Bing Chat is a creative tool that can help with various tasks and needs, unlocking a completely new way to interact with the web.

References:

Yusuf Mehdi, Official Microsoft Blog, (2023). 'Reinventing search with a new AI-powered Microsoft Bing and Edge, your copilot for the web', 7 February, Retrieved 7 June 2023 from: <https://blogs.microsoft.com/blog/2023/02/07/reinventing-search-with-a-new-ai-powered-microsoft-bing-and-edge-your-copilot-for-the-web/>