Terms

Artificial Intelligence (AI): A development of computer systems that uses algorithms, data, and hardware to perform tasks like speech/image recognition,translation, decision making, and detects patterns. Depending on the task, this could require different features within the AI field.

Algorithm: The rules (or calculations) by which AI systems make decisions or perform a task.

Chatbot: A software application that generates human-like responses to questions entered manually by a user.

Chat-based generative pre-trained transformer (ChatGPT): A popular chatbot that works with natural language processing systems. It can generate responses to questions and is pre-trained with available text on the web to mimic humanlike conversations.

Computer Vision: Uses machine learning techniques to train computers to recognize objects, people, movement in image or video form.

Hardware: Physical component of a computer. A monitor, keyboard, or speaker.

Knowledge Based Systems (KBS): Program that uses knowledge base reasoning to solve problems.

Machine Learning (ML): A field with a wide range of approaches to develop algorithms that allows a program to determine rules and patterns in data without human intervention. In most cases, humans are unable to understand the creation of those rules, therefore there is potential for humans to be harmed based on the decision made.

Natural Language Processing (NLP): A field that focuses on computer understanding and comprehension of language. It requires at least half a million words, and it can scan, summarize, correct text, and more.

Software: Program that directs your hardware to carry out a task.