GenAI for everyone *by Akbar Mohammed, Angkeeta Goswami, and Vineet Nandkishore*

Overview

This course - GenAI for everyone, is an introductory course that informs you about the different capabilities of GenAi. At the end of this course, you will be able to discuss the fundamentals of GenAi, discuss some of the applications of GenAi in daily life, such as virtual assistants, chatbots, and personalized recommendations. You would also explore ethical deployment strategies and learn how to apply responsible practices, discuss the impact of GenAi on organizational efficiency, and learn the importance of ethical deployment through human-centered design principles and robust engineering practices.

Requirements/Prerequisites

There is no requirement or pre-requisites for the course. To succeed in this course, all you need to have is a curious and logical mind. No programming skills needed.

Course Structure

The course consists of the following materials:

- *Videos*. The lectures are delivered via videos, which are broken into small chunks, usually between five and seven minutes each.
- *Reading*. We have made available pdf files of all the reading materials. There can be some external link or references for further reading.
- *Discussion Forum:* Discussion forums to exchange views and perspectives with peers.
- *Ungraded Practice Quizzes*. There will be *non-graded* short "quiz" questions that will follow some of the videos to help you gauge your understanding.
- *Graded Quiz*. There will also be *graded* quizzes that you will answer online.
- *Graded Assignment*. There will be graded assignments for submission.

Grading

Your grade in the course will be based solely on the assignments and the graded quizzes.

You are free to follow the course without completing the graded assignments and quizzes, but then will not receive a certificate of completion.

Course Topics

Week 1: Introduction to GenAi

Introduction, overview, the evolution of GenAI, Difference between GPTs and Search engines.

Week 2: GenAI in Daily Life

Applications of generative AI in daily life, such as virtual assistants, chatbots, and personalized recommendations. Provide examples of how these applications work and the benefits they provide.

Week 3: How does GenAi Work

Fundamentals on the workings of GenAI. Introduction to Ethical and responsible AI.

Week 4: Let's Tame the Dragon

Overview of developing application using GenAI.