Face Recognition-Based Attendance System

Create an attendance system that automatically marks attendance using face recognition technology. The system should recognize and identify individuals from their facial images, and mark their attendance accordingly. The system should extract facial features, compare them with stored data, and recognize the participant in real-time.
Skills: Computer Vision, Deep Learning
Dataset Suggestions:

- LFW Dataset (Labeled Faces in the Wild)
- Participants' Own Images: Capture images of participants with different angles, lighting, and expressions to build a better recognition model.

Smart Study Schedule Generator

Your task is to build an AI-powered system that generates a personalized study schedule for students based on their study habits, subject preferences, course difficulty, and past performance. This system should help students improve their academic productivity by providing an optimized study plan tailored to their individual requirements.
Skills: Machine Learning, NLP, UI/UX
Dataset Suggestions:

- Student Performance Dataset (https://archive.ics.uci.edu/dataset/320/student+performance)
- Students' Academic Performance Dataset (https://www.kaggle.com/datasets/aljarah/xAPI-Edu-Data)

AI-Powered Image Captioning System

Your task is to build an AI-powered image captioning system that automatically generates descriptive captions for images. The system should use computer vision to understand the content of the images and natural language processing (NLP) to generate relevant and coherent captions. The system should be able to take any image as input and generate an accurate, contextually relevant caption that describes the scene or object in the image.
Skills: Machine Learning,Deep Learning, Computer Vision,NLP
Dataset Suggestions:

- MS COCO (https://cocodataset.org)
- Flickr8K
- Flickr30K