ARTIFICIAL INTELLEGNCE

ASSINGMENT 01

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**Question 01:** Find three AI-based applications on your phone or laptop and explain how they use AI?

There are three AI-based applications which I used in my laptop and mobile are:

**1. Visual Studio Code (Desktop App)**

* **IntelliSense and Autocompletion:** Machine learning-based models predict and suggest the correct code snippets while coding, hence enhancing coding productivity.
* **GitHub Copilot integration:** Leverage sophisticated artificial intelligence techniques, like OpenAI Codex, to support software developers in coding activities by composing code, filling in functions automatically, and giving prompt feedback.
* **Error Detection and Correction:** Certain extensions use AI to automatically detect coding errors and provide suggestions, enhancing code quality and performance.

**2. Spotify (Mobile App)**

* **Recommendation Algorithms:** Spotify uses artificial intelligence to examine your aural preferences and match them with other users.
* **Machine Learning Models:** These models predict probable preferences for artists or songs based on a person's listening history.
* **Natural Language Processing (NLP):** Spotify uses a song lyric analysis and emotional subtlety to make recommendations that resonate with your own musical tastes.

**3. Google Photos (Mobile Application)**

* **Image Recognition:**  It’s refers to the identification of persons, locations, objects, and even animals in photo images by artificial intelligence.
* **Facial Recognition:** This technology categorically organizes photographs of an individual into significant clusters.
* **Smart Search:** With only a keyword such as "beach" or "birthday," the AI system recognizes related images with no label.