**TradeMate: The AI based E-commerce App**

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**Abstract**

TradeMate is an AI based E commerce Application. It will provide a smarter way for customers to buy and sell product online through the app.

The user will have the options of searching for an item through normal searching or through “Visual Search”. The search will be based on a AI based algorithm where items will be sorted in the result set based on the distance and requirements. The visual search makes use of machine learning to identify the item in the image and display the relevant results.

**Objectives:**

1. Make use of Artificial Intelligence to allow users to make dealings easy.
2. Get an understanding of how Artificial Intelligence based tools can be used in real life for the betterment of it

**Tools:**

ANDROID STUDIO 3.6.1: for developing the interface

GOOGLE API: to include web search, map and quick sign-in

TENSORFLOW: AI based machine learning framework for image detection and making a smart search accordingly.