

The PSU Capstone team working on the Nike AI project realizes that Nike would like a system that would be able to recommend one of several shoe options to feature in a magazine cover photo shoot or be able to recommend a new product(s) that would have a very high consumer appeal after specific events occur (a particular athlete wins a medal at the Tokyo olympics).

After significant and careful design consideration it was determined that the time constraints imposed by the Capstone class duration would prevent the team from being able to complete these use cases.

The PSU Capstone proposes the following as our minimum viable product (MVP):

We will create an AI system named Kratos that will use images from the DeepFashion as training material. After being trained, the system will be capable of identifying the category of clothing and various attributes of the article of clothing.

This capability will be needed to support many of the more robust use cases.