Enos Jeba Computer Vision

## **Zocket Machine Learning (Computer Vision)**

## **Generative AI for Visuals**

- I created images using Stable Diffusion
- You can see the samples below

```
- #Generate Image
- for name in names:
- prompts = [f"{name}"]
- images = pipeline.generate(prompts)
- images[0].save(f'./ai generated/{name}.jpg')
```







## **Product Recognition Filter**

I am using the YOLO base model and if we want our model to detect other categories we can train it with other data, for now I am just using few categories from the pretrained set

The base model has been trained for objects such as bottle, suitcase etc.

## **Exclusion of Non-Relevant Images**

We will first define a set of products, we want to check if it exist in the image.

If they exist, we will add them to approved folder else, we will move it to rejected folder.