

Código da Implementação dos recursos que tornam o sistema inteligentes

```
useEffect(() => {
  const loadModel = async () => {
    const URL = "https://teachablemachine.withgoogle.com/models/_tqfIDwLW/";
    const modelURL = URL + "model.json";
    const metadataURL = URL + "metadata.json";

    try {
      const model = await tmImage.load(modelURL, metadataURL);
      setModel(model);
    } catch (error) {
      console.error("Erro ao carregar o modelo:", error);
    }
  };

  loadModel();
}, []);
```

```
const sendPicture = async () => {-
  setPrediction(null);
  setLoading(true);
  setIsFace(true);

  if (model && imageDataUrl) {
    try {
      const isFace = await verifyFace(imageDataUrl);

      if (isFace) {
        setIsFace(true);
        const image = await createImageBitmap(dataUrlToBlob(imageDataUrl));
        const prediction = await model.predict(image);

        const highestPrediction = getHighestPrediction(prediction);
        setLoading(false);
        setPrediction(highestPrediction);

        setShowUploadField(false);
        setShowInstructions(false);
        setShowButton(false);
        setShowTakePhotoButton(false);
      } else {
        setLoading(false);
        setIsFace(false);
      }
    } catch (error) {
      setLoading(false);
      console.error("Erro ao verificar o rosto:", error);
    }
  }
};
```