**Emotion Detection Project – Progress Report**

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**Course:** Machine Learning  
**Submission:** 60% Completion Report

**✔️ Project Summary:**

The goal of this project is to detect emotions on human faces in real-time using a webcam.

**✔️ Completed Tasks:**

* ✅ Collected dataset with 7 labeled emotions.
* ✅ Organized dataset into train and test folders.
* ✅ Integrated face detection using OpenCV’s Haarcascade.
* ✅ Developed a basic real-time webcam app that simulates emotion detection.
* ✅ Used random emotion labels for demo purpose (model integration coming soon).

**🔜 Upcoming Work:**

* Train CNN model for real emotion classification.
* Replace random emotion labels with real-time model predictions.
* Possibly deploy using Streamlit or Tkinter.

