

Senior Design Bi-Weekly Status Report; Fall 2023

Team Name: sdmay24-45

Team Members:

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Report Period: October 9 - October 22

Summary of Progress in this Period

1. During this period, we created an Engineering Design Document. This includes design content, design context, design decisions, proposed design, technology considerations, and design analysis.
2. We also recorded a lightning talk based on the Engineering Design Document.
3. We have put all our documents that we have completed so far onto our website and also updated the website with Team Pictures and Bios.
4. We have also started to clone the repository and pushed some files there as well so we have access to them from GitHub

Pending Issues

1. Creating some simple models from Keras to gain a better understanding of simple AI models.
2. Review other models.
3. Retrain the selected model to fit our data.

Plans for Upcoming Reporting Period

Gain an understanding of the domain

- Look more into skin cancer diagnosis and understand it outside of the AI portions.

AI model

- Use the Keras website to look for an AI model we can use

Dataset

- Look for an open source image dataset that will fit our needs
- Download datasets - both training and test data

Cloud platform

- Make accounts on both AWS and Google cloud platform.