

Team Name: sdmay24-07

Team Members:

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Report Period: Oct 15- Oct 22

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Summary of Progress in this Period
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Began learning Keras:

As a team, we have been more focused on understanding ML and learning about setting up a model for processing data. We have successfully taught a model to determine whether an inputted image is a Cat or a Dog. We also have begun working on processing a Skin cancer dataset. Our team has started the process of setting up AWS to port over our model once we successfully run a test for our skin cancer detection. Finally, this week we reached out to ETG to set up a remote desktop to run our models on so that we can continuously adapt the model without putting strain on our personal devices.

Met with client/advisor:

We discussed our next steps with our advisor. As mentioned above, we have moved from the UI to more ML focused research so we had to re-plan what we will be doing these coming weeks to match the expectations set by the client.

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Pending Issues
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Limited Access to ML/AWS material:

We met with our TA but we are not able to get a clear answer for what part of AWS we should be utilizing to bridge our computations with the model to cloud computing. So, our biggest issue now is the following two: 1) we need to figure out what we would need to use from AWS to fit our needs, and 2) we need to get a better understanding of processing CSV files for teaching the model as we now have multiple datasets that have different forms of categorizing their images so we will need to get a better understanding of how these are done before making realistic progress in image classification.

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Plans for Upcoming Reporting Period
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- Start with setting up the required AWS infrastructure and configuring the necessary resources.
- Develop a comprehensive strategy for processing CSV files.
- Continue learning Keras and expanding our machine learning knowledge.
- Focus on processing the skin cancer dataset.
- Collaborate with ETG to finalize the remote desktop setup.