Capstone Progress Report

nkungad24@asmsa.org Switch account

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* Indicates required question

Email *

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Objectives for the Week   *
(What did you plan to achieve this week?)

[This is heavily condensed from the last version]

Chose Capstone Project: Creating AIs that could read lips.

MVP: Create an AI that learns how to read lips completely on its own. I give it a camera feed or video of someone tracking and basic face tracking software, it brute forces its way to learn how to read lips. I create a second AI that learns how to read lips via human based methods. I learn strategies on how to read lips and train the AI how to read lips using those methods. I compare the difference in speed, accuracy, training time, and more between the two.

Further:

Accomplishments   *
(List the tasks you've completed and the milestones you've reached this week.)

Chosen project. Established plan for presentation and project.

Challenges and Obstacles *

(Describe any challenges or obstacles you faced this week and how you addressed them.)

Creating a project that hadn't been done verbatim before. The dual AI idea that would compare against each other was that idea.

Resources Used *

(List any significant resources, such as articles, tools, libraries, or consultations.)

There wasn't actually much research done about this this week. I only watched this video.

Next Week's Objectives *

(List the goals you have set for the upcoming week.)

Research the best languages for face tracking. Test basic face tracking. Look into past AIs that could read lips.

Feedback Required

(Is there anything specific you'd like feedback on?)

Is this a good project? Is is too ambitious or too limited? Is it different enough from things that have already been done to warrant being done for Science Fair?

Additional Notes/Comments

(Any other information you think is important to share about your progress, insights, or adjustments to your project plan.)

I only came up with this project a week ago so the scope of the project might end up changing.

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