

Science Fair Project Logbook

September 15, 2024

- Chose my project topic: an app that scans MRI images to assess Alzheimer's severity.
- Researched Alzheimer's disease, MRI scans, and machine learning basics.

September 25, 2024

- Collected MRI scan datasets labeled with different stages of Alzheimer's.
- Started learning about AI models for image classification.

October 3, 2024

- Began preprocessing MRI images to make them suitable for training.
- Explored different machine learning algorithms to find the best fit.

October 12, 2024

- Started training the machine learning model with the dataset.
- Faced challenges with accuracy and model overfitting.

October 22, 2024

- Adjusted the dataset and fine-tuned model parameters to improve accuracy.
- Successfully classified MRI images into different severity levels.

November 1, 2024

- Began developing the app interface to allow users to upload MRI scans.
- Integrated the trained model into the app.

November 10, 2024

- Tested the app with different MRI images to check accuracy.
- Noticed some misclassifications and made further improvements.

November 20, 2024

- Worked on making the app's results more user-friendly and easier to understand.
- Started writing the problem statement, method, and analysis for my project.

December 2, 2024

- Conducted final testing of the app to evaluate its performance.
- Prepared my science fair display and began working on my video presentation.

March 19, 2025

- Reviewing everything to finalize my project and ensure everything is ready!