

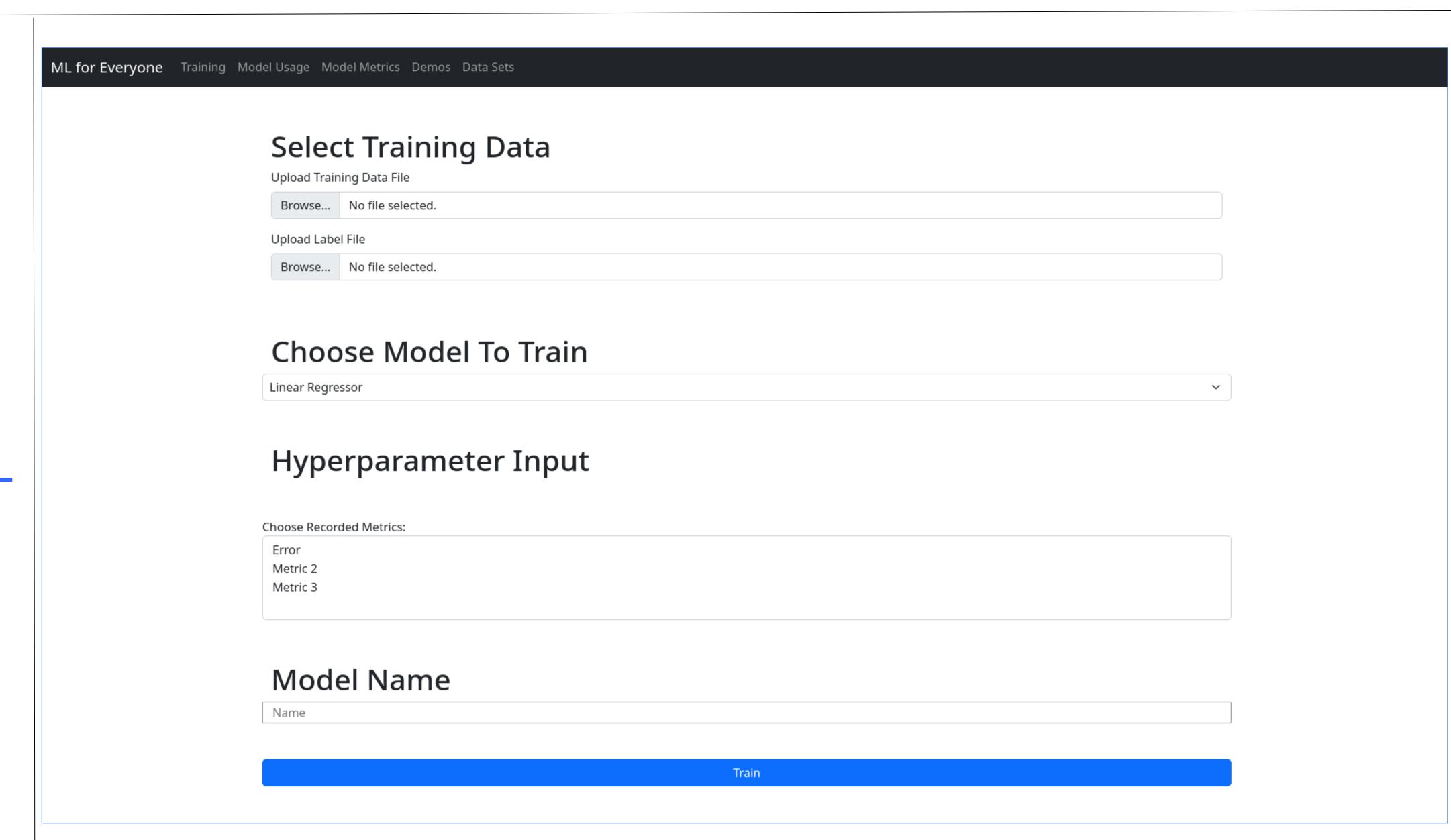


Machine Learning For All (Team No. 25)

Amith Panuganti (CS), Derrick Quinn (CS), Griffin Keeter (CS), Connor Sullivan (CS), Junyi Zhao (CS)

Description & Purpose

- Machine Learning For All is a web app that teaches users how to create their own ML models.
- •We wanted to create a project that uses machine learning. We decided to create a GUI for machine learning so users can make their own models while not to code anything. We also made it possible for users to learn how to make own ML models with graphics-based building blocks.
- •We created this project since it is important for people to understand ML and AI, especially after rollout of GPT-3.
- •Our website has features such as training new models, model usage, model metrics, and model demos.



Design Firebase authentication **Firebase Authentication** Database Input username Authenticate User access and password Login In Page Log In User API calls (train, predict, etc.) App Engine-**Home Page** Model Usage **Model Metrics** Training Demos Train model on data Predict model on data Get metrics for model Teach how to train model Choose data Train and save model Choose trained Choose trained Return metrics and return results or train demo model **Backend Training Backend Prediction Backend Metrics Backend Demo**

Ethical & Intellectual Property Issues

- The main ethical concern is protecting user data.
 We use Firebase authentication and the built-in security that Firebase provides to keep user data
- Models and software such as TensorFlow, Scikit in-built are public, open-source, and free to use for educational purposes. This prevents any problems with intellectual property that may come from the use of external libraries.