Script – Nathen

Demo/Prototype

Login:

(Thank you Dheeraj) It may be obvious that all applications require some form of login/validation, whether it be authentication or authorization. Well the smart power web application is no different.

Dashboard:

Once logged in, the users are greeted with a sleek, balanced home dashboard. This dashboard is meant to provide general information and data that may be of use to the user. The synergy between visuals and data provides brings about a reduction in clutter which is essential as we aim for easy user navigation and comprehension. The graph displays Ontarios Electricity demand during the past three days, but this of course can be customized to be more specific. Along the left-hand side of the screen you can see there is a menu with a few tabs that will take us away from the home dashboard and deeper into the real power this web application holds. This is where Adam will walk you through our machine learning model and its predictions.

Architecture Flow Chart:

Stepping one level out from the depths of computer science there is a simple way to show the steps we have gone through when creating and maintaining our web application. We start off with pulling the data required for our model to work with. The data does not come ready right out of the gate so there will need to be some preprocessing work done. Once the data is ready, it will be stored using Azure Blob Storage. Through Azure Machine Learning the model is built, trained and tested, and then Registering and deploying said model is next. The data our model produces will be stored within a database …. And as Adam has said before our web application backend will be pulling the data and communicating it to the front end for users to see.