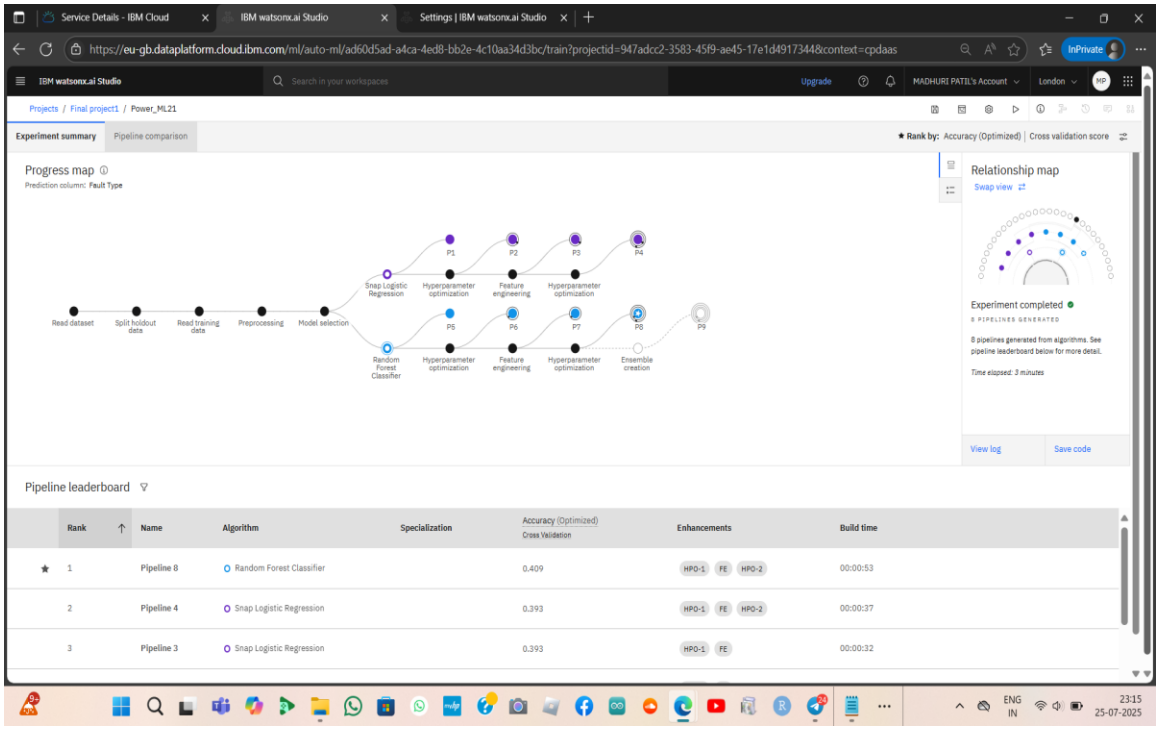
PowerIQ Project - Result Screenshots

"This document contains key result screenshots from the PowerIQ project along with brief descriptions highlighting the model's development, evaluation, and deployment process."

AutoAI Pipeline Overview

Description:

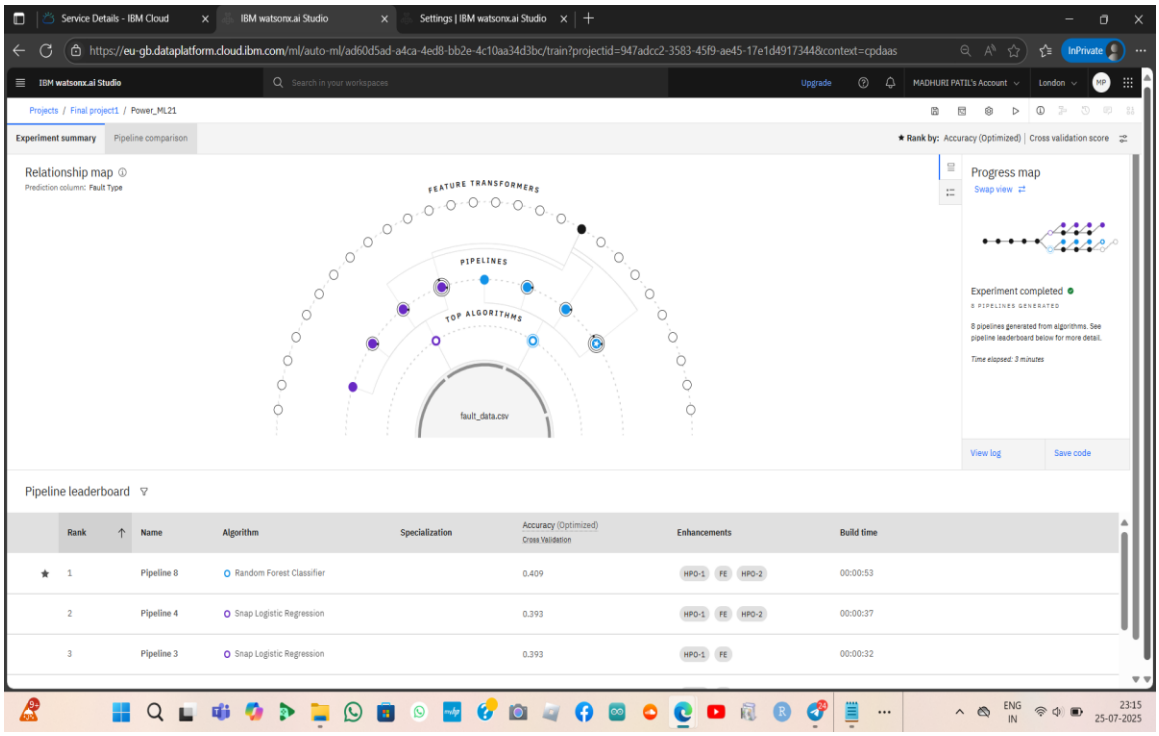
This screenshot showcases the automated machine learning pipeline built using IBM Watson Studio's AutoAI tool. It highlights the stages of data preprocessing, model selection, hyperparameter tuning, and final model ensemble, providing a clear overview of the end-to-end model generation process.



Pipeline Structure

Description:

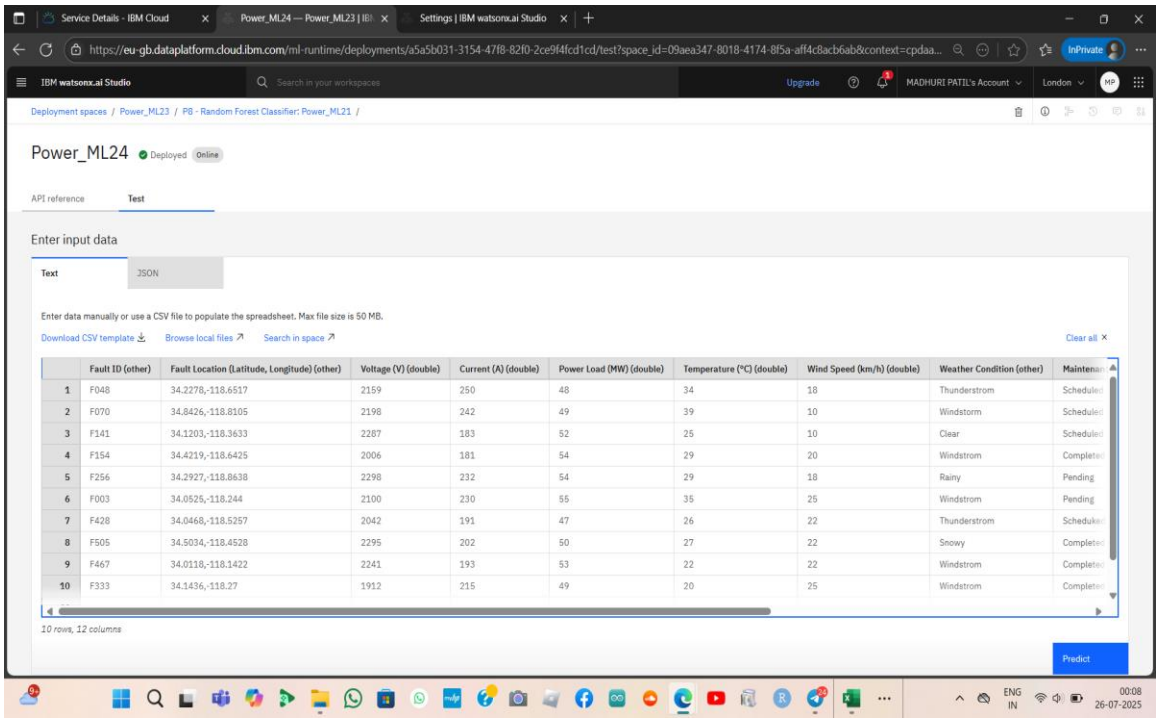
This visual representation displays the connection between datasets, feature transformers, and multiple model pipelines. It offers insights into how AutoAI interprets the dataset and creates multiple candidate models for evaluation.



Test Input Interface

Description:

This interface demonstrates how test data can be manually entered to evaluate the deployed model's real-time prediction capabilities. It is designed for testing various electrical input parameters related to fault detection.



Prediction Output

Description:

The final output screen presents the fault classification result based on the input parameters. It includes the predicted fault type along with its confidence score, validating the model's accuracy and effectiveness.