**SHARMI DAS**

**FULL ML PIPELINE- AWS**

**STROKE PREDICTION –**

**https://www.kaggle.com/datasets/fedesoriano/stroke-prediction-dataset**

**LOADING DATA**

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**ANALYSING DATA**

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A screenshot of a graph

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A graph of different sizes and colors

Description automatically generated with medium confidence

A screen shot of a graph

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This suggests class imbalance in the data for stroke feature-we are going to solve this problem in the next step.

**CLEANING AND ENGINEERING DATA**

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**SMOTE is a specific technique for oversampling that involves creating synthetic examples rather than duplicating existing ones. It works by selecting an instance from the minority class and generating synthetic examples along the line segments connecting it to its nearest neighbors.**

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**COMPLETED TRAINING JOB**

CONTAINER FOR THE MODEL- WITH HYPERPARAMETERS FROM THE BEST TRAINING JOB

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A graph with numbers and lines

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**COMPLETED HYPERPARAMETER TUNING JOB**

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**SUCCESSFUL HOSTING**

**Hosting in Amazon Sage Maker involves deploying a trained machine learning model as an endpoint, turning it into a scalable and accessible service for making predictions in real-time or in batches.**

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**INFERENCING**

**Inferencing in Amazon Sage Maker involves deploying a trained machine learning model as an endpoint and using that endpoint to make predictions on new data.**

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**PREDICTIONS-CLASSIFICATION RATE**

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