IBM Advanced Data Science Capstone Project.

Course Info: https://www.coursera.org/learn/advanced-data-science-capstone

Course Certificate:
https://www.coursera.org/account/accomplishments/certificate/ANSU8BZE78LP

Course Badge: https://www.credly.com/badges/e43e7401-4200-4526-918a-3fb59f711559/

Project About:
This project completer has proven a deep understanding on massive parallel data processing, data exploration and visualization, advanced machine learning and deep learning and how to apply his knowledge in a real-world practical use case where he justifies architectural decisions, proves understanding the characteristics of different algorithms, frameworks and technologies and how they impact model performance and scalability.

1). All file related to the project:
https://github.com/Saurav-1976/IBM_CAPSTONE

2). All Jupyter Notebooks [Python kernel]

A. [IBM Capstone Exploratory Data Analysis]
https://github.com/Saurav-1976/IBM_CAPSTONE/blob/master/IBM_Capstone_EDA.ipynb

B. [IBM Capstone Machine Learning]
https://github.com/Saurav-1976/IBM_CAPSTONE/blob/master/IBM_Capstone_ML.ipynb

C. [IBM Capstone Deep Learning]
https://github.com/Saurav-1976/IBM_CAPSTONE/blob/master/IBM_Capstone_DL.ipynb

D. [IBM Capstone Data Product]
https://github.com/Saurav-1976/IBM_CAPSTONE/blob/master/
IBM_Capstone_Data_product.ipynb

3). Final Deliverable:

[Youtube link to presentation of IBM Advanced Data Science Capstone Project]
https://youtu.be/NWzmnb-tSOE

[Github Gists]

A. [IBM Capstone Exploratory Data Analysis]
https://gist.github.com/Saurav-1976/3178fdde8073b8b84a08e3b8bf705789

B. [IBM Capstone Machine Learning]
https://gist.github.com/Saurav-1976/1e1d4a3e99c03a53ad62eaeb1b8414d7

C. [IBM Capstone Deep Learning]
https://gist.github.com/Saurav-1976/f7ff3ceef0b17347c612e7378a387281

D. [IBM Capstone Data Product]
https://gist.github.com/Saurav-1976/8d0b0ea3639f2c4de0153c95c89abee7

When the notebook D is executed it generates a fully trained Machine Learning Pipeline on the training data and saves it in the file 'HGB_Classifier_model_v1_insurance_data.pk', one of the final deliverables.