+91-9743614471
Bangalore, India
Web-Portfolio

NADEEM

nadeem2796@gmail.com
nadeem-LinkedIn
nadeem-GitHub

EDUCATION

- **International School of Engineering, Data Science** — *Carnegie Mellon University* — Nov 2019– June 2020
- **Bachelor of Engineering, Electrical & Electronics** — *Visvesvaraya Technological University* — June 2014 – May 2018

TECHNICAL SKILLS

- **Programming Languages :** Python, R, SQL, Apache Spark, Java, C, HTML, CSS.
- **IDE, Applications & Cloud :** AWS, GCP, Git, Tableau, Visual Studio Code, Jupyter Notebook, Google Colab.
- **Data Science Libraries :**Pandas, NumPy, Sci-Kit Learn, TensorFlow, Keras, SciPy, Seaborn, Matplotlib, ggplot2, caret, Spacy, Plotly.

RELATED COURSEWORK

- **Web Technologies :** HTML, CSS, XML, JavaScript, Python, JSON , Flask, Web servers, REST API
- **Data Mining :** MapReduce, Frequent itemset mining, Recommendation systems, Analysis of social networks
- **Natural Language Processing :** Perceptron, BERT, Elmo, Viterbi algorithm, HMM, Neural Nets, NER,TF-IDF, Dependency parsing
- **Database Management :**RDBMS, EERD, Gremlin-Tinker pop, Geospatial data handling, PostgreSQL

CERTIFIED COURSES

- Applied Machine Learning in Python, University of Michigan, Cousera. More
- Deep Learning, Deeplearning.ai, Cousera. More
- Data Science, John Hopkins University, Cousera. More
- Advance Data Science with IBM, IBM, Cousera. More
- Google Cloud Platform Big Data and Machine Learning Fundamentals, Google Cloud, Cousera More

PROJECTS

Predict Severity of Airplane Accidents. [Automobiles] More

- Predict Severity of airplane accident using 'Accident ID'. Required to build Machine Learning models to anticipate and classify the severity of any airplane accident based on past incidents.
- To analyse and implement multiple algorithms and determine which is more appropriate for a problem. Pre-process and clean the data for modelling. Train a classification model using Logistic Regression, SVM, Random Forest, XGBoost, AdaBoost, Decision Tree, Bagging Classifier, Voting Classifier.

Broadband Outage Detection. [Retail Industry] More

- Indian Broadband Company is Facing Outages duration, Task is to predict the outage duration with the features
- Modelling framework to predict classification of three class(0,1,2), Trained using Decision tree, Random Forest and XGBoost.

News Category Classifier. [Network Media and News] More

- This dataset contains around 200k news headlines from the year 2012 to 2018 obtained from HuffPost. The model trained on this dataset could be used to identify tags for untracked news articles or to identify the type of language used in different news articles.
- Categorization based Natural Language Processing, that would perform localization and recognition of text and categorize. Train a Classification Model using Text CNN, Bidirectional GRU + Convolution and LSTM.

Predict if the Merchant is Fraudster or not for an e-commerce client. [Retail Industry] More

- A large e-commerce company with its operations in several countries. As the online giant grows, so has the number of fraudster merchants.
- Modelling framework to predict the Merchant Fraudulency(yes/no) based on the quantitative and qualitative features provided in the dataset, Train classification Models used Logistic Regression, Decision Tree, Gradient Boosting, SVM, XGBoost.

House-Price Prediction. [Real Estate] More

- To build a custom machine learning model for one of the leading real estate industries in the world. The custom model includes the multiple classes to be classified with different condition.
- Developed a stacked regression to predict the house price. Perform different ML techniques to solve the problem, Created a stacked model to see the performance of the model.

Business Forecast -LTFS. [Business Forecast] More

- To Forecast the business to build a custom model of Two segments, that would take which segment would be more in time.
- Tried out various traditional machine learning time series models. Finally implemented Holt-Winters.

Chest X-rays based Pneumonia Classification. [Health-Care] More

- To Identify Pneumonia by using Chest X-ray's, classify infected vs normal chest X-ray's using the images of the chest X-ray's.
- Developed a model for classifying the chest X-ray's. Selected model employs MonkAI based word embedding fused and passed into datasets, followed by Transfer Learning. This is then passed through a Resnet modelling and Dense-net modelling.