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Bangalore, India
Web-Portfolio

NADEEM

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PROFESSIONAL EXPERIENCE

Data Scientist

Feb '20 - Present

Soothsayer Analytics More
Client: Multinational Chemical manufacturing Industry
Project: Plant efficiency and yield optimization of the plant
Responsibility:

- Process understanding, **Data extraction**, **Data Analysis**, **Data Visualization Techniques**, **Data Insights**, **Statistical Data Mining**.
- Problem Solving Skills, Complex Dataset, **Pre-processing** and **Data cleaning**.
- Feature engineering and application of a collection **of Machine learning** Technologies, **algorithms** to build the model.
- **Prediction Classification on top regression, time regressive models and fouling prediction** of the future values.
- **Explainability Models**, **Data Representation**, Presentation, Administrated team and Directed client meetings.
- Researched on **Optimization Techniques** and Developed some new approaches, also worked on Pipeline for **deployment**.

TECHNICAL SKILLS

- **Programming Languages: Python**, Pyspark, R-Programming, **SQL** Quires, MATLAB, 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, Pyspark, REST API, Spark.
- **Data Mining:** MapReduce, Frequent itemset mining, Recommendation systems, Analysis of social networks.
- **Natural Language Processing:** Perceptron, BERT, Elmo, HMM, Neural Nets, NER, TF-IDF, Dependency parsing.
- **Database Management:** RDBMS, HDFS, Hive, Pig, EERD, PostgreSQL.

★ 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**.

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

CERTIFIED COURCES

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