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| Faizanuddin Mohammed Siddique  Data Scientist, Machine Learning Engineer   |  |  | | --- | --- | | **Address** Pune, MH, 411040  **Phone**770 910 7640  **E-mail**faizansiddiqu@gmail.com | **LinkedIn** [**https://www.linkedin.com/in/faizanuddin-mohammed-siddique-a92ab881/**](https://www.linkedin.com/in/faizanuddin-mohammed-siddique-a92ab881/%20)  **Kaggle :**<https://www.kaggle.com/faizansiddique>  **Github**: <https://github.com/Faizan-Siddique> | |  |

Certified Data Scientist familiar with gathering, cleaning and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic and other analytical techniques. Highly organized, motivated and diligent with significant background in Python , Machine Learning, Data Analysis EDA , Web Scraping and Deep Learning.

***Skills***

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| Programming Languages : Python and Libraries, Tensorflow,Keras,Scikit Learn,Matlab | Very Good |

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| Databases : PostGreSQL | Very Good |

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| Data Visualization : Tableau, MS-Excel | Very Good |

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| Machine Learning/Deep Learning :Decision Trees,Logistic Regression,Random Forest , Xgboost, Gradient BoostingNaive Bayes,SVM,ANN,CNN,RNN ,ResNet Algorithms | Very Good |

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| Web Scraping : Scrapy, Splash ,Selinium ,Beautiful Soup | Very Good |

***Work History***

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| 2017-02 - Current | **CAE Engineer**  *Applus Idiada, PUNE, Maharashtra*   * Meshing and include preparation of assemblies. * Coordination of meshing activities with the counterparts along with estimation, final checks and delivery of projects within stipulated time. * Static Durability and Thermal CAE analysis in Abaqus. * Applied Machine Learning Algorithms for estimation of crush box thickness for frontal Crash analysis. * Python Scripting in ANSA for process automation. |

***Education***

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| 2020-06 - 2021-03 | Spring Board Data Science Career Track: Data Science And Machine Learning  *Spring Board - Bangalore*  Currently undergoing a 11 month intensive Data Science Career Track that includes 650+ hours of hands-on curriculum, with 1:1 industry expert mentor oversight, and completion of 3 in-depth capstone projects. Mastering skills in Python, SQL, Data Analysis, Data Wrangling,Data Visualization, Hypothesis Testing, Machine learning, Deep Learning. |

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| 2010-07 - 2014-08 | Bachelor of Engineering: Mechanical  *MESCOE - Pune* |

***Certifications***

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| 2021-03 | Spring Board Data Scientist Certification |

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| 2021-02 | Datacamp Machine Learning Career Track |

***Languages***

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| English,Hindi,Marathi,Urdu,Arabic | Very Good |

***Projects***

**1) Mercedes Benz Greener Manufacturing To Reduce Testing Time Of Vehicles**

The aim was to predict the testing time of vehicles based on 384 Testing parameters, resulting in speedier testing and lower Carbon dioxide emissions.

**Technologies Used**: Python, Lasso and Ridge CV, Random Forest, XGboost

* Performing EDA and Feature Engineering to select the most important Features to Build the Model
* Feature Scaling and dimensionality reductions based on correlation Matrix and Variance.
* Using Machine learning algorithms to predict testing time using R2 Score as Metrics and plotting Feature importance.
* Hyperparameter Tuning of Models to increase the Model predictability on Testing Dataset.

Github Link : <https://github.com/Faizan-Siddique/Capstone_Project_1/blob/main/Unit_18/Capstone_Project_2_Mercedez_Benz_Testing.ipynb>

**2) Steel Corrosion Defects Classification and Segmentation**

The aim was to classify Steel corrosion defect in an image as a defect or no defect furthermore if found defective classifying into 4 classes of defects

and segmentation of the defect in the image with the help of a Mask.

**Technologies Used**: Python, Deep Learning, Resnet CNN, ResUnet, Image Augmentation.

* Data visualization using RLE mask encoding of pixels.Analysis of Defects Using Countplots.
* Image classification using Transfer learning and Resnet CNN for pixel-level classification.
* Image segmentation into multiclass defects for defective images and localization of defects using ResUnet

Github Link : <https://github.com/FaizanSiddique/Capstone_Project_3/blob/main/Capstone_3_Steel_Defects_Classification_Segmentation_Final_01.ipynb>