Thejoroop Reddy

Data science/Machine learning enthusiast

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Bangalore

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https://github.com/Thejoroop

SUMMARY

A Data science and Machine Learning enthusiast with 3+ years of strong working experience . Good statistical knowledge and ability to understand and find fine points of data. One year of hands on experience in python ,data handling, data visualization, machine learning and SQL. Seeking a position which would enable me to combine technical and analytical skills to aid in meeting company goals.

TECHNICAL SKILLS

Python
Machine Learning
Data Science
Numpy
Pandas
seaborn
scikit-learn
SQL
MySQL
Deep Learning
Predictive Modeling
Data Visualization
Data Analysis

PROJECTS

Semiconductor manufacturing process

Objective: Build a classifier to predict the Pass/Fail yield of a particular process entity and analyse whether all the features are required to build the model or not
Algorithms used: Logistic Regression, Decision Tree, Random forest, AdaBoost, GradientBoost
Random forest performed well compared with other algorithms
Cross validation and GridSearchCV yielded better results
Model deployment using flask

Telecom Churn

The project is done by using ensemble models and it is a classification problem
Objective: Build a model that will identify the potential customers who have a higher probability to churn.
Algorithms used: Decision Tree, Random forest, AdaBoost, Gradient Tree Boosting
Gradient boosting performed well compared with other Algorithms with score of 82.45
https://github.com/Thejoroop/Telecom-churn.git

House price prediction

Objective: To predict the house price
Algorithms used: Linear regression, KNN, SVR, Decision Tree, Random forest, Gradient boosting
Best model: Gradient boosting(82% Training accuracy, 78% testing accuracy)
https://github.com/Thejoroop/Project1/blob/main/House_Price_Predictor(%20after_interim%20without%20gridsearch).ipynb

WORK EXPERIENCE

RRIT (February 2017 - December 2018)
Assistant Professor

MaRS (January 2019 - August 2020)
Structural design engineer

EDUCATION

Acharya Institute of Technology (September 2009 - May 2013)
BE Civil Engineering

University visvesvaraya college of Engineering (September 2013 - May 2016)
ME Structural Engineering

CERTIFICATIONS

Post Graduate Program in Machine Learning
Great Learning and Texas University

Python Programming Masterclass
Udemy