

Technical Skills

Languages: Python, SQL

Frameworks/Libraries: seaborn, sklearn, scrapy, tensorflow, keras

Others: Git/Github, GIMP, AWS, Google Cloud

Project Experience

Titanic Dataset Investigation - github.com/rpalsaxena/Titanic...

- Analyzed survival rate of passengers according to category.
- Used Numpy arrays, pandas DataFrame to perform analysis.
- Plotted interactive graphs using HTML, CSS, Dimple.js (D3.js).

Financial Crisis of 2008 Analysis using Python - github.com/rpalsaxena/FinancialCrisis...

- Explored banking stock prices from 2008 financial crisis to 2016.
- Used libraries like numpy, pandas, matplotlib, seaborn.
- Plotted some interactive graph to view the behaviour of stocks.

Red wine dataset Exploratory Data Analysis using R - github.com/rpalsaxena/RedWine-EDA...

- Explored factors that were influencing wine quality.
- Applied EDA to draw relationships between variables.
- Calculated Correlation & plotted relationships b/w variables.

Identify Fraud from Enron Email using ML - github.com/rpalsaxena/Identify-Fraud...

- Built a model to identify Enron Employees who were involved in Fraud.
- Used Machine Learning algorithms to predict Person of Interest.
- Quantified machine learning results using precision, recall.

Design an A/B Test - github.com/rpalsaxena/A-B-Testing

- Analyzed the results of an A/B test.
- Identified the characteristics to validate metrics.
- Calculated no. of events & running time required to reach statistical significant result.

K- Nearest Neighbor Articles- dataaspirant.com/author/rahul-saxena/

- Published articles on KNN Intro, KNN in Python-R from Scratch, KNN using sklearn – caret pkg.
- Built KNN Classifier for Breast Cancer & Wine origin recognition dataset.

Work Experience

Udacity Inc. Data Science Consultant

Telecommute, Delhi, IN | Feb 2017 -Present

- Working as a mentor & reviewer for Udacity's Data Science Nanodegrees like DFND, DAND, DLND
- Helped over 1000s of students to figure out the issues they faced during analysis and projects

DataAspirant.com - Data Science Content Designer Intern

Telecommute, Delhi, IN | Dec 2016 – March 2017

- Assigned the task of writing original content on Analytics & ML Topics.
- Authored articles on Machine learning algorithms like KNN, SVM etc.

PapaNotAngry (Startup) - CoFounder

Delhi, IN | Apr 2015 -Oct 2015

- Founded PNA to build E-commerce Product Discovery Engine.
- Headed Tech Team, built a search API using crawlers & Elasticsearch for 1 Million+ products.

Education

Udacity - Data Analyst NanoDegree

Nov 2016

Coursera – Machine Learning Course by Andrew Ng

Jul 2016

GGSIPO, Delhi - Computer Science Engineering

Jul 2015