

Technical Skills

Languages: R, Python, javascript, SQL

Frameworks/Libraries: seaborn, sklearn, rvest, caret, ggplot2, graphlab, RStudio, dimple.js,

d3.js Others: Git/Github, GIMP, AWS, Google Cloud, Android App Dev

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).

OpenStreetMap Dataset Extraction & Wrangling - github.com/rpalsaxena/OpenstreetMap...

- Audited validity, completeness, and uniformity of Delhi OSM dataset.
- Wrangled data using python & saved it in CSV files.
- Modeled data in Relational Db (SQL) & queried it to retrieve nuggets.

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

DataAspirant.com - Data Science Content Designer Intern

Telecommute, Delhi, IN | Dec 2016 -Present

- 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.

Startup Ninja -

- Worked with 4+ startups in their idea development, design & idea implementation.
- Analyzed & solved the technical difficulties faced by startups.

Education

Udacity - Data Analyst NanoDegree

Nov 2016

Coursera – Machine Learning Course by Andrew Ng

Jul 2016

GGSIU, Delhi - Computer Science Engineering

Jul 2015