

Technical Skills

Languages: R, Python, javascript, SQL

Frameworks/Libraries: seaborn, sklearn, rvest, ggplot2, graphlab, RStudio, dimple.js, d3.js

Other: 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.

Work Experience

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 1Million+ products.

YzOak (IoT Startup) - Remote Software Engineer

CA, USA | Nov 2014 -Apr 2015

- Designed an Android App & analyzed technologies used by competitors.
- Coordinated with team for launching 1st IoT YzOak Plug's design.

Education

Udacity - Data Analyst Nanodegree

Nov 2016

GGSIU, Delhi - Computer Science Engineering

Jul 2015