

ROHIT DUGGAL

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EDUCATIONAL QUALIFICATIONS

COURSE	INSTITUTION / UNIVERSITY	YEAR	PERFORMANCE
M.Sc. Operational Research	St. Stephen's College, University of Delhi.	2018-2020	RA
Diploma (Big Data Analytics)	NIIT, New Delhi	2016-2017	81.05%
B.Sc.(H) Mathematics	DDU College, University of Delhi.	2013-2016	86.3%
CBSE XII	JLDAV Public School, New Delhi	2012-2013	88.8%
CBSE X	JLDAV Public School, New Delhi	2010-2011	8.2 (CGPA)

SKILLS

TOOLS	Hadoop, MapReduce (Java/Python), Pig, Hive, HBase, Sqoop, Flume, Spark (PySpark/Java), MongoDB, MySQL, PostgreSQL, Tableau.
LANGUAGES	Java, Python, C++, R, HTML, PHP, Java Script, SQL.

WORK EXPERIENCE (IN: INTERNSHIP, FT: FULL TIME)

(IN) Data Scientist: NeurIOT Technologies (September, 2020 – Present)

- Keywords:
(c) (c++) (gstreamer) (deepstream) (computer-vision-pipelines) (mongodb) (python) (full-stack-development)

(IN) Visualization Engineer: Pikkal & Co - B2B Podcast Agency (July, 2020 – August, 2020)

- Keywords:
(python) (django) (visual-analytics) (matplotlib)
(pandas) (html)(plotly) (javascript) (ajax)

(IN) Machine Learning Engineer: DecisionTree Analytics & Services (December, 2019 – May, 2020)

- Keywords:
(python) (featuretools) (feature-engineering) (feature-extraction) (sklearn) (pandas)
(numpy) (pipelines) (autoML) (visual-analytics) (matplotlib) (flask) (pandas_profiling)
(plotly) (javascript) (ajax)

(IN) Visualization Engineer: 1Gen Platform Solutions (June, 2019 – August, 2019)

- Worked with the *Data Science* team to generate various visualizations using *Tableau/Bokeh*.
- Worked with huge datasets using *SQL/Tableau* (*Backend Database: MySQL*).
- Developed various *web API's* using *PHP/SQL* for the front-end data-driven dashboards.
- Others: Data Processing (using *Pandas/NumPy*), Google/Apple Store Analytics (for generating reports).

(IN) Data Scientist: Terra Economics and Analytics Lab (TEAL) (May, 2019 – June, 2019)

- Involved *Data Processing*, basically, giving some kind of schema/structure to massive unstructured datasets using *Pandas/NumPy libraries (Python)*.
- Developed various *Data-Driven Dashboards* using *Tableau* for visualization.
- Intense use of *Regular Expressions* using *re library (Python)* for scraping data from various data sources.

(IN) Subject Matter Expert: Evelyn Learning Systems Pvt. Ltd. (April, 2017 – Jun, 2017)

- Worked as a full time intern in *Mathematics Department*.
- Developed quality solutions for American publications like *McGraw Hill Education and Pearson*.
- Led the team of interns in final month and shared the post of reviewer

PROJECTS

NAME	DESCRIPTION
Auto ML (May, 2020)	Tags: (python) (featuretools) (sklearn) (pandas) (numpy) (pipelines) (visual-analytics) (matplotlib) (flask) (pandas_profiling) (plotly) (javascript) (ajax) Read the full report here: Link: https://rb.gy/gzqfpq
Road Crash Investigation (November, 2019)	Tags: (Analytics)(Data-Processing)(Python)(geopandas) (geoJSON)(Latitude-Longitude)(PostgreSQL)(Indexing) Read the full report here: Link: http://tiny.cc/i55rfz

SHOWDOWN (July, 2019)	A showdown between two data visualization tools: (1) Tableau. (2) Bokeh. (A library actually) Here's a link to a write up I created to compare these two, using the same Tableau kaggle project listed below. Link: http://tiny.cc/am389y
Bokeh -Dash (July, 2019)	Tags: (Analytics)(Data-Processing)(Python)(geopandas) (bokeh)(pandas)(shapely)(interactive-dashboard) Project Link: https://rb.gy/5vk22k

Visualization (Tableau) (May, 2019)	<ul style="list-style-type: none"> - Uses 'Suicides Worldwide' data set from Kaggle. - Developed various Dashboards, which tries to answer the following questions : <ul style="list-style-type: none"> (1) Suicides Country-Wise. (2) Suicides among Genders, Year-Wise. (3) Suicides with respect to Age-Groups, Year-Wise. (4) Suicides greater where Country's Population is high ? (5) Suicides greater where Country's GDP is low ? (6) Suicides among Genders, Country-Wise. (Different filters available for every dashboard) <p>Link to the file: http://tiny.cc/rl289y</p> <p>Tool Required: https://www.tableau.com/products/reader (Tableau Reader) (Free)</p>
Data Visualization Dashboard (Web Development/Data Analysis) (December, 2018)	<p>Given a JSON file, the objective was to develop a dynamic web application which generates a 'Heat Map' based on 3 entities over 5 fields, with confidence intervals over 3 levels.</p> <p>Languages/Libraries used: HTML, JavaScript, Plot.js, PHP.</p> <p>Link: http://tiny.cc/do289y</p>
Department of Operational Research (Web Development) (December, 2018)	<ul style="list-style-type: none"> - Back end database used: MySQL. - Languages used: PHP, Java Script, SQL, HTML. - Handles SQL Injection. - Includes a control panel like interface to control content on the main website. <p>Link: http://tiny.cc/9p289y</p>
Database Management (MySQL) (March, 2017)	<p>A web interface created with the help of Flask (Python), which accepts info from the user and stores it in a MYSQL server, allows storing/modifying/updating/deleting user info.</p> <p>Github Link: http://tiny.cc/3r289y</p>
Database Management (HBase) (March, 2017)	<p>A simple command line interface program written in python that accepts data from the user and stores it in aHBase database.</p> <p>Also, can modify the details entered by the user.</p> <p>Github Link: http://tiny.cc/it289y</p>
GUI (March, 2017)	<p>Given an excel file, the objective was to read that excel file using python modules, save it in a MYSQL server and analyze data graphically based on the input provided by the user via a graphical user interface.</p> <p>Github Link: http://tiny.cc/pu289y</p>

CERTIFICATIONS/ACCOMPLISHMENTS

- *Maestro in Ethical Hacking*, Kyrion Technologies (2014)
- Cleared *CT-3 (Probability & Statistics)* Actuarial Exam under the Institute of Actuaries of India.(2015)
- *Professional Diploma in Big Data Analytics* (Developer/Analyst) (NIIT) (2017)
- Data Camp: Visualization using Python-Bokeh (June 2019)
- Coursera: Tableau Visualization Essentials (June 2019)