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)**

SKIILS

TOOLS	Deepstream(NVIDIA), Hadoop, MapReduce (Java/Python), Pig, Hive, HBase, Sqoop, Flume, Spark (PySpark/Java), MongoDb, MYSQL, PostgreSQL, Tableau.
LANGUAGES	Java, Python, Kotlin, C/C++, R, HTML, PHP, Java Script, SQL.

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

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

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

(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	DETAILS
Node -App (February, 2021)	Tags: (node) (javascript) (json) (API) (mongodb) (aggregations) Link: https://rb.gy/lr7ong
Twitter -API (January, 2021)	Tags: (twitter-api) (twitter-stream) (data-processing) (python) (data-reports) (regex) Link: https://rb.gy/fsyo9t
NiFi-Flow (December, 2020)	Tags: (apache-nifi) (nifi-workflows) (flask-api) (nifi-processors) (data-engineering) (data-pipelines) (ETL) Link:rb.gy/pvme8e
poly-process (December, 2020)	Tags: (C++) (text-manipulation) (text-processing) (polynomials) (polynomial-manipulation) (regex) Link: https://rb.gy/555ulf
Senti-ments (November, 2020)	Tags: (nlp) (python) (pyramid) (html) (ajax) (pyramid) (sklearn) (sentiment-analysis) (classification) (supervised-learning) Link: https://rb.gy/la4ozq
Auto ML (May, 2020)	Tags: (python) (featuretools) (sklearn) (pandas) (numpy) (pipelines) (visual-analytics) (matplotlib) (flask) (pandas_profiling) (plotly) (javascript) (ajax) Link: https://rb.gy/97ryk7

Road Crash Investigation (November, 2019)	Tags: (Analytics)(Data-Processing)(Python)(geopandas) (geoJSON)(Latitude- Longitude)(PostgreSQL)(Indexing) Full report: 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)	- Uses ***'Suicides Worldwide'*** data set from **Kaggle**. - Developed various Dashboards, which tries to answer the following questions : (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) Link to the file: http://tiny.cc/rl289y Tool Required: https://www.tableau.com/products/reader (Tableau Reader) (Free)
Data Visualization Dashboard (Web Development/Data Analysis) (December, 2018)	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. Languages/Libraries used: HTML, JavaScript, Plot.js, PHP. Link: http://tiny.cc/do289y
Department of Operational Research (Web Development) (December, 2018)	- 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. Link: http://tiny.cc/9p289y

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)