

## ROHAN MUTALIK

Charlotte, NC 28213; Remote availability

U.S. Citizen

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### EDUCATION

University of North Carolina at Charlotte Jan 2020 – May 2021

M.S. in Data Science and Business Analytics (DSBA)

GPA: 4.00

(evening classes)

University of Oklahoma, Norman

Bachelor of Science in Computer Engineering

2016

(Minor in Computer Science)

### COURSES

DSBA 6160	Big Data Design, Storage, and Provenance
DSBA 6100	Big Data Analytics for Competitive Advantage
DSBA 6201	Business Intelligence and Analytics
DSBA 6211	Advanced Business Analytics
DSBA 5122	Visual Analytics
DSBA 6276	Consumer Analytics
DSBA 6156	Applied Machine Learning
DSBA 6190	Cloud Computing

**Skills:** Python – pandas, sklearn; TensorFlow, PyTorch, OpenCV, YOLO; SQL; AWS; Git; Linux – bash, ksh, awk; R

### PROJECTS

EFFECT OF COVID-19 ON AIRBNB NYC MARKET

JULY 2020

- Explored historical Airbnb data to find patterns in pre- and post- covid that affected market supply and market demand.
- Created R visualizations and models to analyze key variables in Airbnb rental decline, including text mining, time-series.

MIMIC-III BIG DATA DATASET (45 GB)

MAR 2020 – MAY 2020

- Loaded 45 GB of healthcare data into Google BigQuery. Created data dictionary of tables and columns.
- Wrote MySQL queries to convert requirements into SQL. Wrote Python scripts for file manipulation and data visualization.

GITHUB ONGOING PROJECT

APR 2020 – JUN 2020

- Extended work done with MIMIC-III healthcare dataset. Committed at least 1 contribution every day to Jupyter Notebook files using Anaconda packages numpy and pandas.
- Loaded 45 GB of data using Python-wrapper for Spark, PySpark. Wrote utility scripts for file retrieval. Cleaned dataset with pandas. Visualized data with matplotlib, including a pie chart, legend, and spines.

### PROFESSIONAL EXPERIENCE

WELLS FARGO (INFOSYS) - CHARLOTTE, NC

JUL 2017 – MAR 2019

- 2 years of experience in Big Data, ETL Data Migration projects. Utilized Python, Hive, and SQL for analysis and testing.
- Won prestigious Award for work on data migration project, although not typically given to entry-level employees.
- Promoted to Senior Associate in Jan 2019. Runner-up, Infosys Innovation Day 2019; 2<sup>nd</sup> place out of 10 teams.

Associate

Jul 2017 – Dec 2018

- Developed 50 ETL test scripts in Apache Hive SQL (Hadoop). Delivered to production in aggressive 1 month deadline.
- Led initiative in developing 1 Python utility script to monitor and report Hadoop UI uptime. Helped 10 team members.
- Automated parts of complicated data mapping process by having Python search through list of 500 SPs, tables required for the previous table in the mapping process. Wrote Python scripts to search within SQL files for tables, views used in reports.
- Completed Udacity Data Analyst Nanodegree certification in a short span of 2 months, when average time for completion was 6 months. Created Machine Learning projects using: numpy, pandas, matplotlib, scikit-learn (sklearn), R, Tableau.
- Built a Machine Learning algorithm to classify fraud from the public Enron financial and email dataset, which contained over 500,000 rows (1.33 GB of data). Utilized sklearn to fit classification models to the data and evaluate different metrics.