**Rohan Chaudhari**

(240)-422-2154 ● College Park, MD 20740 ● [rohan.chaudhari@rhsmith.umd.edu](mailto:rohan.chaudhari@rhsmith.umd.edu)

[www.linkedin.com/in/chaudharirohan](http://www.linkedin.com/in/chaudharirohan) <https://github.com/rohanchaudhari>

**EDUCATION**

**University of Maryland, Robert H. Smith School of Business College Park, MD, USA**

**Master of Information Systems,** GPA (3.67/4) December 2020

* Data Models and Decisions-Statistical Data analysis using Microsoft Excel and Tableau
* Data Processing and Analysis in Python
* Data Mining and Predictive Analysis in R
* Database Management Systems- Information modeling and optimization via SQL

**University of Mumbai**  **Mumbai, MH, India**

**Bachelors in Electronics Engineering**, GPA (8.92/10) May 2019

* Applied Mathematics and Statistics, Structured Programming Approach, Object Oriented Programming in JAVA
* Achieved **1st** position in academics.

**TECHNICAL SKILLS**

● Programming languages – Python, R, C, SQL

* Tools – Jupyter Notebook, R Studio, MySQL, Google Analytics, Tableau, MS Excel, Power BI
* Machine Learning Algorithms – Linear, GLM, KNN, Elastic Net, Discriminant Analysis, Neural Networks, Decision Trees, PCA

**CERTIFICATIONS**

* Neural Networks and Deep Learning– *June 2020*
* AWS Solutions Architect– *June 2020*
* AWS Data Analytics Fundamentals– *April 2020*
* Strategic Management from Copenhagen Business School– *March 2020*
* Google Analytics Individual Qualification– *February 2020*

● Business Strategy from Wharton: Connected Strategy– *January 2020*

* Business Strategy from Wharton: Competitive Advantage– *December* *2019*

**PROJECTS**

**Airbnb Data Analysis**  **February 2020- May 2020**

*Explanatory & Predictive analysis of Airbnb listings in Chicago using machine learning algorithms-*

*GLM, Elastic Net, Decision Trees and visualization techniques in R*

* Carried out extensive data cleaning, processing and performed feature extraction for data preparation purposes
* Conducted exploratory data analysis on cleansed data to derive specific market insights and identify potential business growth
* Predicted booking rates of the Airbnb properties using machine learning techniques with 94% accuracy on 30% test data
* Visualized analytical findings & gathered intuitions to suggest effective business recommendations

**Stock Analysis August 2019- December 2019**

*Predicting stock market performance using NumPy, Pandas, Matplotlib, Seaborn,* *Sklearn*

* Conducted technical Analysis on historical stock data of companies like Apple, Amazon, Google, Microsoft
* Predicted future value of company’s stock using regression and ARIMA model with 99% accuracy
* Visualized data using heatmaps, candle-plots and successfully implemented an API based chatbot to derive insights on company’s stock value

**CyberCharge August 2019- December 2019**

*Analytical business suite for University of Maryland Electric Vehicle Charging System using SQL, Tableau*

* Created database for managing electric vehicle charging stations where user is able to store, view and manipulate data
* Identified business transactions, created Entity Relationship diagram, performed normalization and formulated business rules
* Created Tableau dashboards to visualize most popular electric vehicles and the revenue generated by each charging station

**Transcutaneous Electrical Nerve Stimulation January 2019- May 2019**

*Pain treatment using waveform generator, current-voltage limiter, step-up converter with Arduino*

* Conducted physiotherapic research to develop a device generating electrical signals to stimulate nerves for therapeutic purposes;
* Achieved single channel output with output current rating of 50A and voltage rating of 70 – 170V to treat pain
* Transformed conventional unit from a bulky device to a simple pocket-sized portable system to provide cost effective treatment; reduced production cost from $300 to $60.