

Rohan Chaudhari

(240)-422-2154 • College Park, MD 20740 • rohan.chaudhari@rhsmith.umd.edu
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 physiotherapeutic 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.