**ROHAN CHAUDHARI**
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## PROFESSIONAL SUMMARY

A data enthusiast using analytics and machine learning to create stories from intricate mosaic of data. Passionate for developing strategic insights to expand business and hedge risk. Proficient in data acquisition, reporting and visualization to derive meaningful insights. Seeking to hone my technical skills and interpersonal skills to understand and solve business problems using data-driven insights

## 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, Neural Networks, Decision Trees, Text Mining, NLP
- AWS services– EC2, S3, VPC, Glacier, DynamoDB, Aurora, ElastiCache, Redshift, Kinesis, Athena, IAM, CloudWatch

## CERTIFICATIONS

- Neural Networks and Deep Learning– *June 2020*
- AWS Solutions Architect Associate– *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 Online: Competitive Edge & Connected Strategy– January 2020

## 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 data 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 time series plots 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.