ROHAN CHAUDHARI
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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
- **Topper** of Electronics department

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

- AWS Certified Solutions Architect- Associate
- Neural Networks and Deep Learning
- AWS Data Analytics Fundamentals
- Strategic Management from Copenhagen Business School
- Google Analytics Individual Qualification
- Business Strategy from Wharton Online: Competitive Edge & Connected Strategy

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

- Performed data cleaning using null imputations and feature extraction on 55 columns and 250K rows of data
- Derived market insights in terms of value creation potential for Airbnb property owners by increasing property booking rates
- Classified Airbnb properties based on booking rates using machine learning techniques with 94% accuracy on 30% test data
- Visualized analytical findings to suggest effective business recommendations for customers and property owners

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 can 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

- Consulted physician to discuss and identify design flaws in existing TENS devices used for therapy
- Conducted physiotherapic research for identifying suitable rating of electrical signals to achieve effective therapeutic results
- Created and simulated device designs and achieved final output with current rating of 50A and voltage rating of 70 – 170V to effectively 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.