**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, SageMaker, 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

**PROFESSIONAL EXPERIENCE**

**Futuralis Bethesda, MD, USA**

*Solutions Architect Intern* July 2020-

● Working interactively with customers to understand their business & develop solutions making best use of multi-cloud platform analytical services.

● Developed lambda functions in python to fetch client’s data and migrate to AWS cloud, enabling seamless data integration

● Shape and deliver strategies for building data specific solutions to customer’s challenging problems using AWS services

● Analyze current technologies used within the company and determine ways to improve existing business processes

**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 & intuitions 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

● 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; current rating of 50A and voltage rating of 70 – 170V