

ROHAN CHAUDHARI

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EDUCATION

University of Maryland, Robert H. Smith School of Business
Master of Information Systems, GPA (3.67/4)

College Park, MD, USA
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
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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
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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
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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
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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