

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
Bachelors in Electronics Engineering, GPA (8.92/10)

Mumbai, MH, India
May 2019

- Applied Mathematics and Statistics, Structured Programming Approach, Object Oriented Programming in JAVA
- **Ranked 1st** in 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

PROFESSIONAL EXPERIENCE

Futuralis **Bethesda, MD, USA**
Solutions Architect Intern July 2020- Present

- Worked interactively with customers to 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**
Explanatory & Predictive analysis of Airbnb listings in Chicago

- Used machine learning algorithms in R such as GLM, Elastic Net, Decision Trees to predict booking rate of Airbnb properties
- 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

Emergency Vehicle Classification **January 2020**
Classifying vehicle images as either belonging to the emergency vehicle or non-emergency vehicle category

- Aimed at reducing fatalities due to traffic delays of emergency vehicles such as ambulance & fire brigade
- Preprocessed the input images by resizing, normalizing and one-hot encoding the image labels
- Trained and deployed a CNN ResNet50 image recognition model to classify the images as emergency vehicle or not
- Carried out hyperparameter tuning and adam optimizer-back propagation; achieved 75% validation accuracy on 70% split

Stock Analysis **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 **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

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