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, **Fr. Conceicao Rodrigues College of Engineering** — **Mumbai, MH, India**

Bachelors in Electronics Engineering, GPA (8.92/10) — May 2019

- Applied Mathematics and Statistics, Structured Programming Approach, Object Oriented Programming.
- Achieved first position in academics during academic year 2016-17; Ranked **second** overall in Electronics department.

TECHNICAL SKILLS

- Programming languages – Python, R, SQL
- Tools – Jupyter Notebook, R Studio, MySQL, Google Analytics, Tableau, MS Excel, Power BI
- Operating systems – Windows, Ubuntu, Linux, MacOS

CERTIFICATIONS

- AWS Data Analytics Fundamentals– *April 2020*
- Customer Analytics from Wharton Online – *March 2020*
- Strategic Management from Copenhagen Business School– *March 2020*
- Google Analytics Individual Qualification– *February 2020*
- Business Strategy from Wharton: Connected Strategy – *January 2020*
- Business Strategy from Wharton: Competitive Advantage – *December 2019*
- Python- Manipulating Time series data, Pandas-Manipulating and Merging DataFrames - *December 2019*

PROJECTS

Stock Analysis: — **August 2019-December 2019**

Predicting stock market performance using NumPy, Pandas, Matplotlib, Seaborn, Sklearn

- Acquired historical stock data of top companies like Apple, Amazon, Google, Microsoft, Facebook; cleaning and transformation
- Conducted technical Analysis on cleansed data to derive insights and to identify trends in company's stock value
- Predicted the future value of company's stock using regression and ARIMA model with 99% accuracy
- Visualized data using heatmaps, candle-plots and successfully implemented an API based chatbot

CyberCharge: — **August 2019-December 2019**

Analytical business suite for University of Maryland Electric Vehicle Charging System using SQL, Tableau

- Created database for managing the 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 charging station

Transcutaneous Electrical Nerve Stimulation: — **January 2019- May 2019**

Combined 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;
- Output current rating: 50 amperes and voltage rating: 70 – 170 volts
- Incorporated the four most common stimulation modes; achieved single channel output connected to the region of pain with two electrodes (gel-pads).
- Transformed conventional TENS unit from a bulky device to a simple pocket-sized portable system to provide cost effective treatment; reduced production cost from $300 to $60.

LEADERSHIP EXPERIENCE

Fr. Conceicao Rodrigues College of Engineering, Arduino Day Event Organizer — **March 2018**

- Elected as Organizing Team Head; spearheaded & organized Arduino Day event.
- Publicized various technical events throughout the college campus and spread awareness.

AWARDS AND DISTINCTIONS

- Received 'Academic Excellence Award' from D.A.V. College Managing Committee.
- Active volunteer of Art of Living (AOL), a humanitarian and educational non-governmental organization.
- Served as an active member of Rotaract Club of Panvel-Industrial Town; participated in various social activities.