

# 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
- Managing digital business markets

**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

- 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 Simulation:**

**January 2019- May 2019**

*Combined waveform generator, current-voltage limiter step-up converter with Arduino*

- Conducted physiotherapeutic 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.
- Led department football team to secure third place in intra college football tournament - 2018-2019; Winner of Raigad District Football Tournament-2011.
- 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.