# **Rohan Chaudhari**

(240)-422-2154 ● 4311 Rowalt Drive #103, College Park, MD 20740 ● rohan.chaudhari@rhsmith.umd.edu www.linkedin.com/in/chaudharirohan

#### **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**

- 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.
- 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.