**Rohan Chaudhari**

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Temporary U.S. Work Authorization

**Data Analyst**

**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
* 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 in Electronics department.

**TECHNICAL SKILLS**

● Certifications – StrategyX Business Strategy from Wharton: Competitive Advantage, Python Data Analysis & Time Series Visualization

● Programming languages – Python, R, SAS, Java, SQL

● Tools – Jupyter Notebook, SAS Studio, R Studio, MySQL, Google Analytics, Tableau, MS Excel, Power BI

● Operating systems – Windows, Ubuntu, Android, MacOS

**PROJECTS**

**Stock Analysis:** Predicting stock market performance using NumPy, Pandas, Matplotlib, Seaborn, Sklearn

* Acquired historical stock data acquisition of top companies like Apple, Amazon, Google, Microsoft, Facebook; data cleaning and data 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, visualized data using heatmaps, candle-plots and successfully implemented an API based chatbot.

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

* Created database for managing the electric vehicle charging stations where the user should be able to store, view and manipulate information.
* Identified business transactions, created Entity- Relationship diagram, performed normalization in accordance to the formulated business rules.
* Created Tableau dashboards to visualize most popular electric vehicles and the revenue generated by charging station.

**Transcutaneous Electrical Nerve Simulation:** 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; produced current less than 50 amperes and voltage range of 70 – 170 volts.
* Incorporated the four most common stimulation modes in the device and managed to achieve 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 market value from $300 to $60; articulated device output and presented in front of 30+ students.

**LEADERSHIP EXPERIENCE**

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

##### 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.