Rohan Chaudhari

(240)-422-2154 ● 4311 Rowalt Drive #103, College Park, MD 20740 ● rohan.chaudhari@rhsmith.umd.edu
www.linkedin.com/in/chaudharirohan
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 — December 2020

- Data models and decisions- 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) — May 2019

- Structured Programming Approach, Object Oriented Programming, Embedded Systems and Microprocessors.
- Achieved first position in academics during academic year 2016-17.
- Ranked second in Electronics department.

TECHNICAL SKILLS

- Tools - Jupyter Notebook, R Studio, MySQL, MATLAB, Tableau, Proteus.
- Programming languages - Python, C, Java.
- Operating systems - Windows, Ubuntu, Android, MacOS.
- Microsoft Office Suite – MS Excel, MS Powerpoint

RELEVANT PROJECTS

Transcutaneous Electrical Nerve Simulation (Combined waveform generator, current limiter, voltage limiter and DC-DC step up converter with Arduino board.)

- Conducted a 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 four most common stimulation modes in device.
- Managed to achieve single channel output connected to 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.

Active Noise Cancellation (Digital Signal Processor TMS320C6713, Least Mean Square algorithm)

- Developed a DSK-based noise-cancellation system using Least Mean Square algorithm to alter output of adaptive filters to phase shift it by 180-degrees; generated anti-noise sound to cancel noises.
- Formulated and improved on traditional passive noise cancellation to cancel noise using some material by implementing active noise cancellation done mathematically; drafted in-depth analytical report of output.

LEADERSHIP EXPERIENCE

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

- Presided as Organizing Team Head; Conducted Arduino Day event.
- Publicized various technical events throughout college premises 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.
- Motivated, taught, mentored and counselled under-privileged children in locality on topics of basic science and mathematics as part of community social service for free.