

# Rohan Chaudhari

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Temporary U.S. Work Authorization

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## Data Analyst

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### EDUCATION

**University of Maryland, Robert H. Smith School of Business**

**College Park, MD, USA**

**Master of Information Systems**

**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)**

**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.

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### TECHNICAL SKILLS

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

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### RELEVANT PROJECTS

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

- Conducted a physiotherapeutic 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.

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### 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.

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### 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.