

# NEEL SREJAN

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## Objective

Aspiring to enhance my career by acquiring MBA skills to complement my technical expertise in data analytics with Python, SQL, and Tableau. I aim to transition into roles where I can lead and influence quality and sustainability initiatives through strategic, data-driven decision-making, eventually guiding teams towards achieving business excellence.

## Work Experience

**GENMARK DIAGNOSTICS (ROCHE) – QUALITY CONTROL SPECIALIST III | Data Analytics** April 2024 - Present

Develop cross functional automated scripts to aid in the development of new market assays

- Developed and automated a data visualization process using JMP scripting for 8 assays, integrating a Python program to compile and organize charts into a PowerPoint presentation for lot reviews, enhancing quality analysis with actionable user-driven recommendations
- Engaged with R&D in cross-functional sessions to design data visualizations, driving assay advancements and product stability, thereby supporting commercial Quality Control objectives

**GENMARK DIAGNOSTICS (ROCHE) – QUALITY CONTROL SPECIALIST II | Data Analytics** April 2022 - April 2024

Contribute to releasing QC tested lots through comprehensive data analysis and reporting for efficient and accurate decision making thus ensuring product quality.

- Conducted daily produce reviews and releases for lots totaling \$100k in value
- Engineered a python script that QC uses to automate daily emails to the broader company and stakeholders, saving up to \$15k annually
- Revamped the existing Out of Specification tracker to deliver comprehensive monthly performance metrics using Tableau
- Consolidated calculation logic for various dilution techniques into a single spreadsheet to be referenced by QC operators, complying to FDA regulations
- Facilitated User Acceptance Testing (UAT) to meticulously test and document the SAP implementation process for QC
- Assumed responsibility for training and mentoring new members of the QC data review team

## Skills

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|---|--|
| • <b>Python/R</b> (Pandas, Data Structures, ggplot2, dplyr) | • <b>Excel</b> (VLOOKUP, Pivot Tables, Conditional Formatting) |
| • <b>SQL</b> (SQL Server, MySQL, PostgreSQL)                | • <b>Web Scraping/Automation</b> (Selenium/Beautiful Soup)     |
| • <b>Tableau</b>  | • <b>JMP</b> (JSL Scripting)                                   |

## Projects

**YOUTUBE ANALYTICS** - November 05, 2021 – January 2022

Extract and analyze data YouTube data from a user's YouTube channel to construct a personalized dashboard of relevant data visualizations.

- Created a Python script to collect, clean, and curate data from YouTube's Data, Analytics, and Reporting API's into 600k JSON objects and organized into dataframes using the Pandas and NumPy libraries
- Prepared CSV/Excel files through T-SQL queries on relevant data to clean and fashion an interactive dashboard for clientele
- Increased subscriber count by 29% (101), viewership by 26% (6,300), and average view percentage by 40% over 2 months in the channel's 15-month history

**GOOGLE DATA ANALYTICS BELLABEAT ANALYSIS** - August 2021

Uncover patterns in data to shape direction of development of Bellabeat app features.

- Processed 8.1+ million rows of data using T-SQL queries to partition data on core features
- Modeled, visualized, and interpreted patterns within user activity data using regression models and other statistical techniques
- Proposed 8 features to add to the Bellabeat app to facilitate increase Bellabeat product usage and user activity

### **COVID VACCINE FINDER – March 2021**

Identified and developed a patch for sub-optimal functionality in vaccines.gov search portal listing invalid results for COVID vaccination providers.

- Utilized Selenium to develop an automated process to gather a list of all zip codes within a user defined range, filtered by demographic parameters per zip code, and identify valid locations and providers with probable vaccine availability
- Discovered 223 additional locations and providers that had COVID vaccination availability within 50 miles of the input zip code for person use as proof-of-concept

## **Education**

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### **UNIVERSITY OF CALIFORNIA SAN DIEGO – Bachelor of Science - 2015-2020**

- Major: Biology with specialization in Bioinformatics | Minor: Cognitive Science

### **RELEVANT COURSES - 2018-2020**

Bioinformatics Databases

Data Science in Practice

Bioinformatics Algorithms

Advanced Data Structures and Algorithms

Bioinformatics in Practice

Academic Papers

### **GOOGLE DATA ANALYTICS CERTIFICATE – Data Analyst Student – August 2021**

## **Leadership**

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### **ZOR – Bollywood dance team captain - 2016-2018**

- Directed and choreographed the creation of a winning performance with 28-hour practice weeks through planned practices with delegation of duties to 4 other captains and oversaw teaching to 20 members
- Designed a \$3,000 set's backdrop for a national level performance through a collaborated effort among 4 captains