

# NEEL SREJAN

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## Objective

Aiming to extend my expertise in data analysis, proficiency in: Python, SQL, and Tableau, and a keen ability to uncover valuable patterns and trends. I am dedicated to contributing to the company's success by providing actionable insights that drive strategic decisions and align with its mission and objectives.

## Skills

- **SQL** (SQL Server, MySQL, PostgreSQL)
- **Python/R** (Pandas, Data Structures, ggplot2, dplyr)
- **Tableau**
- **Excel** (VLOOKUP, Pivot Tables, Conditional Formatting)
- **Web Scraping/Automation** (Selenium, BeautifulSoup)
- **JMP** (JSL Scripting)

## Work Experience

**GENMARK DIAGNOSTICS – QUALITY CONTROL SPECIALIST II | Data Analytics** April 2022 – Present

Contribute to releasing QC tested lots through comprehensive data analysis and reporting to enable efficient and accurate decision-making to ensure product quality.

- Conducted daily product 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 OOS Excel 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

## Projects

**YOUTUBE ANALYTICS - November 2021 – Present**

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 APIs into 611k 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 across aggregated Fitbit user data to inform 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 user-defined range, filtered by demographic parameters per zip code, and identify valid location 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 personal 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 through 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 background for a national level performance through a collaborated effort among 4 captains