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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

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| * **SQL** (SQL Server, MySQL, PostgreSQL) * **Python/R** (Pandas, Data Structures, ggplot2, dplyr) * **Tableau** | * **Excel** (VLOOKUP, Pivot Tables, Conditional Formatting) * **Web Scraping/Automation** (Selenium, Beautiful Soup) * **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

University of CALIFORNIA SAN DIEGO – Bachelor of Science - 2015-2020

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

RELEVANT cOURSES - 2018-2020

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| Bioinformatics Databases  Bioinformatics Algorithms  Bioinformatics in Practice | Data Science in Practice  Advanced Data Structures and Algorithms  Academic Papers |

GOOGLE DATA ANALYTICS CERTIFICATE – Data Analyst Student – August 2021

# Leadership

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