****A black background with a black square

Description automatically generated with medium confidenceA black background with a black square

Description automatically generated with medium confidenceA black background with a black square

Description automatically generated with medium confidenceJayraj Radadiya

|  |
| --- |
| +1(905) 781-2821 jayrajhradadiya@gmail.com [linkedin.com/in/jayraj-radadiya/](https://www.linkedin.com/in/jayraj-radadiya/) [jayrajradadiya.github.io](https://jayrajradadiya.github.io) |

EDUCATION

**Data Analytics for Business Jan 2022 - April 2023**

St. Clair College, 3.8 GPA

Relevant Courses: Advance Statistics, Data Visualizations and Tools, Machine Learning, Deep Learning, Business Analytics & Decision Making.

**Bachelor of Engineering in IT, Aug 2016 - June 2020**

Gujarat Technological University, 3.3 GPA

Relevant Courses: Data Structures, Big Data Analytics, Data Mining & Business Intelligence, Python. Programming.

SKILLS

Technical Skills:Machine Learning, Deep Learning, Artificial Intelligence, ETL, Data Cleaning, Data Visualization, Reporting, Business Intelligence, Statistical Analysis.

Programming Languages and Tools:Python , R, SQL, Excel, Tableau, Power BI, Google Analytics, GitHub, Google Cloud, Power Query, Microsoft Azure.

Frameworks:Scikit-Learn, Keras, TensorFlow, NLTK.

EXPERIENCE

**Data Analyst Sept 2023 – Present**

**Crescenza Consulting Group**

* Utilizing Power BI for dynamic report creation and real-time dashboard development.
* Utilizing SQL knowledge to optimize query creation and data extraction, manipulation, and analysis.
* Engaging in cross-functional collaboration with various departments to address evolving data needs.
* Continuously evaluating business needs and converting them into insights that can be used to meet changing organizational needs.

**Business Data Analyst May 2023 – Aug 2023**

**CloudExt Inc.**

* Enriched customer experiences and optimize business strategies by meticulously examining data from 500+ current clients, unveiling trends and patterns that lead to actionable insights.
* Expedited client support and issue resolution by leveraging the CRM dashboard, accessing 500+ client details.
* Result: Enhanced client satisfaction and ensure swift problem resolution, fostering stronger relationships.
* Enhanced decision-making by crafting and managing 3+ dynamic dashboards via Power BI and Tableau, empowering stakeholders with actionable insights that amplify efficiency and inform choices.

**Data Analyst Intern Jan 2023 – April 2023**

**St. Clair College**

* Using Python and Big Query, the acquired data from more than 500 students was pre-processed & analyzed. This led to the identification of 3 major trends & the development of data transformation pipelines that significantly sped up processing time by 30%.
* Made our predictions sharper and performance better by putting 3+ machine learning models into action. I showed everyone how to use these models and added clever NLP tricks for understanding sentiments.
* Optimized decision-making by creating and managing 5 dynamic Tableau dashboards, providing invaluable insights that drove enhanced outcomes across operations.

**Data Analyst July 2020 – Nov 2021**

**Tatvasoft**

* Elevated data integrity by skillfully overseeing 100,000+ database entries, adeptly rectifying 50+ crucial irregularities. Boosted data retrieval speed by 40% through adept optimization techniques.
* Transformed decision-making with impactful Tableau dashboards, collaborating cross-functionally to slash data integration time by 20%, expediting insights delivery and enhancing team efficiency.
* Achieved 90% client satisfaction rate and sparked positive feedback by skillfully delivering data analysis findings, translating complex insights into actionable strategies that resonated with clients' goals.

PROJECTS

**Polycystic ovary syndrome (PCOS) Analysis**

**Python, Tableau, Scikit-Learn, TensorFlow, Keras.**

* Pre-processed the Data using python and then used Scikit-Learn, Keras & TensorFlow to develop Random Forests and Feed-Forward Neural networks.
* Created a Tableau Story consisting of *3* Dashboards identifying the hidden correlations within the data.

**Nykaa Google Playstore Review Sentimental Analysis**

**Python: Pandas, NumPy, NLP: Nltk, ML: Scikit-Learn.**

* Used Python to clean & transform over *150k* records of reviews from Google play store. Performed Sentimental Analysis using Natural Language Processing Toolkit (NLTK).
* Compared K Nearest Neighbour, Support Vector Machine, Decision Tree & Random Forest.

**Result:** Random Forest with *87%* Validation Accuracy.

**Cognizant CTSH : Financial Analytics**

**CAPM, Monte Carlo Simulation, FB Prophet.**

* Used data of Cognizant Stock (2018-2022) from Yahoo Finance in Python using *yfinance*. Calculated Expected Return & Stock Valuation using Capital Asset Pricing model and Dividend Growth model.

**Result:** Expected Return Rate of Cognizant came out to be *9.417%* And Stock was valued at *$71.715*.

* Performed Monte-Carlo simulations on the data to simulate stock prices for Jan 1, 2023, to Dec 31, 2023, which predicted. Standard Deviation : *1.25* .
* Created Buy-Sell signals in Stock market using Moving Average. Used Facebook prophet to forecast Future Trends and pattern.

**Air Quality USA between 1980-2020**

**Microsoft Excel, Power Query, Tableau, Forecasting.**

* Transformed the data into proper Time Series Data and a pre-defined Structure using Power Query.
* Developed a Tableau Story of *3* Dashboards to analyze the air Quality Index throughout the time period.
* Using Tableau analytics Forecasted the Average AQI of USA and its States getting better by almost *7%* in current ongoing decade.

**Bike Sales in Europe Analysis**

**Tableau Prep, Tableau, Forecasting.**

* Utilized Tableau Prep to meticulously cleanse, transform, and structure the data into the desired target format, ensuring its optimal suitability for subsequent analytical endeavors.
* Crafted a comprehensive tableau narrative encompassing the *3* pivotal domains of the industry, adeptly weaving together their intricate threads to provide a holistic and insightful perspective.

**Indian Consumer Price Index Avg Growth Rate Dashboard**

**Python, Power Query, PowerBI.**

* Utilized both Python and Power Query to proficiently process and restructure the data, ensuring its successful transformation.
* I have successfully designed an interactive Power BI dashboard with a primary emphasis on analyzing the Compound Annual Growth Rate (CAGR) of the Consumer Price Index (CPI) across distinct sectors within the Indian economy. The dashboard facilitates a comprehensive visualization of the growth trajectories, enabling informed insights into the evolving trends and patterns of CPI expansion across various sectors.

**Analyzing Academic Behavior in Relation to Student Background**

**Google Cloud, BigQuery, SQL, Tableau, Scikit-Learn, Keras, TensorFlow, SciPy Stats, VADER.**

* Created *2* Fully Automated Pipeline with ETL on Google Cloud Platform with BigQuery as Load destination.
* Performed BoxCox Transformation, T-test, Annova & Welch’s Test on the Students data to explore the Statistical impacts of Student’s Background on their Academic Performance.
* Developed and compared ML models and Neural Network using *2* approaches. **Result:** FFNN Classifier was able to achieve *45%* accuracy on real data.
* Used VADER to determine the sentiment of each student’s feedback. **Result:** Majority of Feedback was having positive sentiment score [VADER range used : *-1* to *1*].
* Created Interactive dashboards analyzing Student’s Demographic, Employment, & their College Experience.
* Also created *2* Dashboards to monitor students’ responses to the survey and its Analysis. Resulting into Optimized Dashboard showing Areas that need special attention using KPI’s.

**Salary Insights Dashboard**

**Python, Power Query, Tableau.**

* I used advanced Python programming skills along with Power Query to effectively handle and carefully restructured dataset.
* Demonstrated proficiency in developing an interactive and insightful dashboard that enables comprehensive analysis of key salary influencers, including location, gender, race, and education level. This powerful tool empowers data-driven decision-making by providing a visually engaging representation of salary impact.