Nirjhari Bhavsar

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Experience

Barclays, New Jersey
Product Owner, Fraud Servicing | Fraud Technology   Jan 2023 – Present
- Implemented data analysis to gather requirements for the products and collaborated with the development team to ensure seamless delivery of the product
- Designed roadmaps using analytical skills to ensure minimum blockers and efficient planning
- Implemented Macros in Excel to achieve automation to increase the efficiency of routine tasks

PayCargo, New Jersey   September 2022- December 2022
Data Analyst and Software Developer Intern, Internal Tools
- Designed end to end automated solution for manual process in financial service sector
- Using Power BI and other data analytics skills, increased the efficiency of manual process by 5%
- Led and managed the developer team and worked closely with Chief Finance Director for obtaining business requirements

Janssen Pharmaceuticals (Johnson & Johnson), New Jersey   May 2022 – August 2022
Data Engineeing Intern, Pulmonary Hypertension Disease
- Implemented Data Science methods in Dataiku to find different marketing strategies for Janssen PAH disease products
- Implemented advanced statistical methods to enhance accuracy of the model
- Took the initiative for optimizing the pipeline by coordinating and presenting to Senior Director and Director and using data-driven approach in coordination with business requirements

Cilans System, India   May 2021 – August 2021
Business Analyst, Market Research
- Utilized Power BI and Tableau for generating analytical reports. Automated 80% of working methods
- Coordinated with CEO and project manager for initiating and creating optimized models in MS Excel and presenting it to stakeholders.

Projects

Sales Price Forecasting for NY   Hoboken, NJ   Jan 2022 - May 2022
Python | Machine Learning | Forecasting and Prediction
- Gathered dataset from Zillow and FRED for inflation and CPI values and implemented forecasting method ARIMA & LSTM with 29% loss and got predictions till 2030
- Coded command line interactive program to check the Sales Price in given year for given area in NY

Marketing Analytics of Peña Liquors Jersey City, NJ   Feb 2022 - May 2022
SAS | MS Excel | SQL
- Improved weekly sales by 30% by analyzing marketing strategy and did Customer Life Value analysis for target customer retention rate. Forecasted weekly sales in SAS
- Improved regression model for finding weights of each brand in store and using cluster analysis, to find better location to open a new store

Automatic weed detection in Brinjal crop – A Deep Learning Approach   Jan 2021- May 2021
Python | Machine Learning | Deep Learning
- Led the team of 4 for using ML techniques in data cleaning and acquiring. MATLAB visualization techniques showed accuracy of 98% in detecting weed among plants.

Skills Summary

Programming: **Python, SQL, R, PySpark (API)**

Software & Tools: Microsoft Suite (Excel, Word, PowerPoint, Visio), **Tableau**, Power BI, SAS, SAP HR, CodeBlocks, **Anaconda**, ERWIN, Matlab, Adobe Illustrator, Adobe Photoshop, CorelDRAW, **Mongo DB, Dataiku, Jira, Confluence, Bitbucket, Amazon S3, Redshift, Colibra, Alteryx**

Libraries: SciPy, **NumPy**, **Pandas**, Keras, Sci-kit

Strengths: Detail-oriented, Analytical thinker, Adaptable, Self-starter, goal-oriented, Creative Problem-solver

Education

Stevens Institute of Technology   December 2022
Master of Science, Business Intelligence and Analytics (GPA: 3.9/4)

Nirma University (Rank 11/150)   May 2020
Bachelor of Technology, Electronics and Communication (GPA: 8.5/10)

Minors in Entrepreneurship (GPA: 9/10) | December 2019

Publications
Published in IEEE (Skills- Matlab | Python):
B. N. Jayvadan, "Synthesis of the fractal array using the Newton-Raphson method," 2020 IEEE Students Conference on Engineering & Systems (SCES), 2020, pp. 1-6, doi: 10.1109/SCES50439.2020.9236761.
Published in IJSER (Skills- Python | Machine Learning | Data Science):
Nirjhari Bhavsar, Saumya Shah, "Face Detection Algorithms: A Comparison",International Journal of Scientific & Engineering Research Volume 11, Issue 11, November-2020, pp. 660-664,ISSN 2229-5518

Certifications
Tableau Desktop Specialist, *Tableau*   July 2022
Dataiku Core Designer, *Dataiku*   May 2022