

Dhruv Trivedi

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PROFESSIONAL SUMMARY

An innovative and results-driven Data Analyst with expertise in machine learning, predictive analytics, and data visualization. Proficient in Python, R, SQL, TensorFlow, Scikit-learn, Power BI, Git, AWS, and MongoDB. Skilled in building predictive models, designing interactive dashboards, deploying machine learning solutions, automating workflows, and seamlessly integrating APIs. Adept at transforming complex data into actionable insights, driving efficiency, and enabling informed decision-making in cross-functional environments.

WORK EXPERIENCE

OMAFRA, Data Analyst Assistant 🌐 May 2024 – Aug 2024

- Led a migration project transferring SAS code and databases to R, resulting in a cost saving of \$24,000.
- Developed and deployed 4 advanced, dynamic Power BI dashboards utilizing DAX, ensuring automatic adjustments with the inclusion of new yearly data.

UCook, Data Analyst Intern May 2022 – Jan 2023

- Executed market analysis using Tableau, JET Reports, and Microsoft Dynamics, providing financial insights and identifying key regions for expansion. This led to an 8% increase in regional sales and optimized distribution strategies.
- Resolved logistics bottlenecks using SQL and Microsoft Dynamics, supported by JET Reports, reducing delivery times and costs, and improving customer satisfaction.

Girishay Agri, Business Analyst Nov 2021 – Apr 2022

- Advised an inventory analysis system that decreased overstock, optimizing storage costs and ensuring a more efficient product turnover rate.
- Conducted detailed market trend analysis during the pandemic, contributing to the launching of two new seed varieties that captured an additional 2.5% market share within two months of launch.

Western Bio, Operations Analyst Mar 2021 – Sep 2021

- Developed regression models and clustering algorithms using Python and SQL to analyze agricultural seed trends, enabling data-driven strategic decisions in crop sectors such as potato and groundnut.
- Designed automated dashboards in Tableau and Power BI to integrate real-time data, streamline operations, and track KPIs, boosting production efficiency by 12% and accelerating product launches.

Nityam Dairy, Co-Founder Mar 2021 – Dec 2021

- Innovatively shaped a D2C delivery model at the collection centre, leveraging Microsoft Excel (VBA) and PowerBI for detailed market analysis and optimizing delivery routes, enhancing operational efficiencies.
- Prioritized customer satisfaction and emphasized quality by implementing sophisticated testing methods for on-site butter production and raw milk delivery to over 150 customers daily.

SKILLS

Programming Languages: Python, R, SQL, MATLAB, JavaScript, Stata, Racket, MIPS, SAS.

Database Management: MySQL, SQLite, MongoDB, FileMaker, NoSQL, DB2.

Business Intelligence and Reporting: Tableau, SPS Commerce, Microsoft Excel (VBA), PowerBI, JET Reports.

Machine Learning & Data Science: TensorFlow, PyTorch; supervised, unsupervised, and reinforcement learning; neural networks, NLP (BERT, GPT), Regression, Classification, Clustering, Time-Series analysis.

RELEVANT PROJECTS

- Vehicle Routing Optimization 🌐
- Dairy Farm Productivity Analysis 🌐
- Convex Clustering via Sum-of-Norms Methodology 🌐
- Music Genre Trends Analysis (2010-2022) 🌐

EDUCATION

University of Waterloo, Honours Information Technology Management,
Combinatorics and Optimization Minor

Sep 2019 – Dec 2024

Relevant Coursework: Linear Algebra, Management Information Systems, Business Policy 1 (WLU), Applied Linear Models and Process Improvement, Survey Sampling and Experimental Design, Statistics, Deterministic OR and Portfolio Optimization Models, Networks and Distributed Systems.