

Parth Karki

Data Analyst, Toronto | (437)-661-4679 | karkiparth@gmail.com | LinkedIn | GitHub | Portfolio Website

Data Analyst with 3+ years of experience leveraging Python, SQL, Tableau, and Power BI to drive business decisions and streamline reporting. Proven ability to develop interactive dashboards, automate workflows, and uncover actionable insights from complex datasets. Background in web development enhances user-focused analytics solutions. Familiar with big data technologies including Spark and Hadoop, experienced in optimizing data processes and enhancing user experience through data-driven strategies.

Work Experience

Inventory Analyst - Cook Unity, Toronto (Full-time)

July 2025 – Present

- Managed and reconciled daily, weekly, and monthly inventory variances by reviewing stock movements, purchase orders, and usage data, ensuring 98% accuracy in reporting.
- Conducted detailed inventory data analysis to optimize supply chain efficiency, reducing stock variance by 18%.
- Partnered with operations and procurement teams to forecast demand, cutting waste and overstock by 12%.

Data Analyst - MiiApps, Toronto (Contract)

Nov 2024 – Present

- Performed data analysis on over 1500+ child-authored stories to uncover behavioral and emotional patterns such as themes of courage, learning, fear, and aspiration.
- Delivered recommendations that improved story alignment and app engagement, enhancing the user experience for children by 25%.
- Utilized Natural Language Processing (NLP) techniques to identify recurring concepts, emotional tones, and storytelling gaps.
- Identified trends in children's interests and emotions, supporting personalized content and early detection of learning or emotional challenges.

Data Analyst - Everest Football Academy, Delhi

Mar 2021- Mar 2022

- Analyzed opponent strategies and historical match data to provide actionable insights for game preparation.
- Automated data collection and reporting processes, reducing manual data handling time by 40%.
- Conducted data analysis to identify patterns and outliers, supporting decision-making that led to a 30% increase in performance.

Academic & Personal Projects

iOS Expense Tracker | X-Code, Swift

Nov 2024

- Developed a fully functional expense tracking app for iOS using Swift and Xcode.
- Integrated real-time currency conversion using APIs to support global users.
- Implemented smart insights and financial tips based on user spending patterns.

Bike Ride Dataset Dashboard | Tableau, Python

Nov 2023

- Cleaned and prepared bike ride data using Python by handling missing values and ensuring dataset consistency.
- Designed an interactive Tableau dashboard visualizing ride frequency, time, and location insights.

Websites | HTML, CSS, JavaScript, React

Aug 2022

- Developed fully responsive websites with modern UI/UX using HTML, CSS, and JavaScript.
- Used React to build interactive components and enhance user experience.

Technical Skills

- Programming Languages:** Python, SQL, R, Java, C#
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Advanced Excel
- Databases:** MySQL, PostgreSQL, MongoDB, Azure AI
- Machine Learning:** Scikit-Learn, TensorFlow, Jupyter Notebook, Pytorch
- Big Data Tools:** Hadoop, Hive, Spark, Neo4j
- Methodologies:** Agile, Waterfall, SDLC, Data-Driven Decision making, Cross-Functional Collaboration
- Web Development:** HTML, CSS, JavaScript, React, XML
- IOS Development:** Xcode, Swift

Education

Humber Polytechnic, Postgraduate Certificate Information Technology Solutions, GPA 84.5/100 Aug 2023 – May 2025

Coursework: Big Data, Business Intelligence, Oracle DW and DBA, SQL Server DB Dev, Deep Learning

Delhi University, Bachelor of Science (Honors) in Computer Science, CGPA 82.5/100

Aug 2019 – Aug 2022

Coursework: MySQL, Data Structures, Machine Learning, Software Development, Database management