

DEV BHAGAT

DATA ANALYST - Database Querying, Reporting, Data Analysis, & visualization

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📍 Toronto, Canada

SKILLS

- **Data Analysis Libraries:** Pandas, NumPy, Scikit-learn, statistical analysis, and feature engineering
- **Visualization & Reporting:** Matplotlib, Seaborn, Excel, dashboard creation, and insight reporting
- **Databases:** MySQL, PostgreSQL, joins, aggregations, query optimization, performance analysis, indexing
- **Data & API Tools:** ETL pipelines, web scraping, FastAPI, REST APIs, Postman, data ingestion, automation
- **Programming Languages:** Python, SQL, data transformation, analytical workflows, automation, scripting

WORK EXPERIENCE

Customer Service Representative & Receiver
Farm Boy

February 2025 - Present
Toronto, ON

- Verified, reconciled, and documented incoming inventory shipments against customer orders to maintain 100% accurate operational and stock records.
- Conducted 10+ routine inventory and data validation checks, identifying discrepancies and resolving issues within established service timelines.
- Maintained accurate documentation and inventory logs while meeting daily operational and receiving deadlines in a fast-paced retail environment.
- Coordinated with cross-functional teams by providing reliable inventory data, responding to internal inquiries, and assisting with stock availability coordination.

Junior Python Developer
Xpert Developer

May 2023 - February 2024
Ahmedabad, India

- Reinforced analysis reporting by building processing workflows using Python and SQL for 2 internal teams.
- Designed and reconciled data ingestion pipelines, converting data into structured datasets for 1-day reporting.
- Wrote SQL queries, extracting, validating and reconciling data from relational databases across 10 table systems.
- Automated data processing tasks using Celery and Cron, improving reliability for 24-hour scheduled jobs.

Intern Engineer
Pseudocode Infotech Pvt Ltd

December 2022 - April 2023
Ahmedabad, India

- Executed backend development focusing data handling, storage retrieval using Django across 2 module services.
- Administered database operations, including data modeling, querying validation across 3 schemas pipelines.
- Monitored and structured datasets, ensuring data integrity across applications for daily ETL.
- Gained exposure to end-to-end data workflows from collection to delivery across 4 stages of processing pipelines.

PROJECT EXPERIENCE

Pneumonia Detection with X-ray Images
Python, Deep Learning, Computer Vision

Machine Learning Analyst

- Analyzed medical imaging and developed classification models to detect pneumonia from chest X-ray images.
- Evaluated model performance using accuracy metrics, confusion matrices, and validation techniques.
- Applied Grad-CAM visualization techniques to improve and explain prediction decision patterns.
- Focused on insight-driven analytics supporting transparent and healthcare prediction models.

Disease Prediction from Symptoms
Python, Machine Learning, Data Analytics

Data Analyst

- Cleaned, structured, and preprocessed symptom-based healthcare datasets for predictive analytics.
- Applied classification algorithms to identify probable diseases based on symptom correlation patterns.
- Designed and deployed a lightweight analytical web interface to display real-time prediction outputs.
- Improved dataset usability and model prediction through feature engineering and validation techniques.

Music Genre Prediction
Python, Pandas

Data Analyst

- Processed high-dimensional audio feature datasets using Python and Pandas for normalization, transformation.
- Drove exploratory data analysis identifying frequency based patterns, distribution trends across 5+ music genres.
- Engineered numerical features and trained supervised classification models achieving 85% prediction accuracy.
- Visualized insights using Matplotlib and Seaborn to evaluate importance and performance across 12 feature sets.

Legal Data Web Scraping & Automation Pipeline
Python, Celery

Analyst

- Automated web scraping pipelines collecting high court judicial records daily from structured sources.
- Cleaned, standardized, transformed raw legal records into query-ready analytical tables with 99% accuracy.
- Scheduled daily ETL workflows using Celery, processing 8+ pipelines per day with 100% ingestion reliability.
- Reduced end-to-end data delivery cycle time by 60% overall through pipeline optimization and automation.

Conversational Cooking Assistant
Python, NLP

Analyst

- Developed an assistant using structured datasets, semantic search algorithms improving 10+ queries accuracy.
- Streamlined and indexed 15+ dataset entries to support consistent and efficient data retrieval processes.
- Focused on data structure, validation, relevance scoring ensuring 99% consistent, reliable outputs across queries.
- Analyzed 5+ user query patterns and generated summary metrics evaluating assistant performance.

EDUCATION

Post Graduate Certificate - Artificial Intelligence & Machine Learning

May 2024 - December 2025

Lambton College, Ontario

Bachelor of Technology - Information Technology

August 2021 - May 2023

Dharmasinh Desai University, India