

PRIYA SHARMA

◇ Toronto, ON

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OBJECTIVE

- Data Engineer with 3+ years of experience building scalable data pipelines and analytics solutions
- Specialized in Python, SQL, and cloud technologies with proven track record of optimizing data workflows
- Strong communicator with experience mentoring junior team members and presenting insights to stakeholders

SKILLS

Programming Languages	Python, SQL, Java, JavaScript, R
Data Engineering	Apache Spark, Airflow, Kafka, DBT, Snowflake
Cloud & DevOps	AWS (S3, Lambda, Glue, Redshift), Docker, Kubernetes, Terraform
Databases	PostgreSQL, MySQL, MongoDB, Redis, Cassandra
Tools & Frameworks	Git, Pandas, NumPy, React, FastAPI, Django

EXPERIENCE

Data Engineer Royal Bank of Canada (RBC)	Jan 2021 - Dec 2024 <i>Toronto, ON</i>
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- Built and maintained 15+ data pipelines processing 2TB+ daily data using Apache Spark and Airflow, reducing processing time by 40%
- Migrated legacy SQL Server databases to Google Cloud Platform (BigQuery), improving query performance by 60%
- Developed real-time fraud detection system using Kafka and Python, preventing \$2M+ in fraudulent transactions
- Collaborated with data scientists to productionize ML models, serving 10K+ predictions per day
- Mentored 3 junior engineers on best practices for data engineering and code review processes

Junior Data Analyst TechStart Solutions	Jun 2019 - Dec 2020 <i>Mississauga, ON</i>
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- Created automated reporting dashboards using Python and Tableau, saving 20 hours/week of manual work
- Performed exploratory data analysis on customer behavior data to identify growth opportunities
- Optimized SQL queries reducing report generation time from 45 minutes to 5 minutes
- Collaborated with marketing team to build customer segmentation model using K-means clustering

PROJECTS

Real-Time Stock Analytics Platform (Link)	2024
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- Built end-to-end data pipeline ingesting real-time stock data from multiple APIs using Python and Kafka
- Implemented streaming analytics with Apache Flink to detect price anomalies and trading patterns
- Created interactive dashboard with React and D3.js serving 1000+ concurrent users
- Deployed on AWS using Docker and ECS with 99.9% uptime over 6 months

Canadian Job Market Analysis Tool (Link)	2023
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- Scrapped 50K+ job postings from Canadian job boards using Python and BeautifulSoup
- Built ETL pipeline with Airflow to clean, transform, and load data into PostgreSQL database

- Performed NLP analysis using spaCy to extract skill requirements and salary trends
- Created public-facing insights dashboard helping 500+ job seekers understand market demands

E-commerce Recommendation Engine ([Link](#))

2023

- Developed collaborative filtering recommendation system using Python and Surprise library
- Processed 1M+ user interactions to generate personalized product recommendations
- Implemented A/B testing framework showing 25% increase in click-through rate
- Deployed FastAPI backend serving recommendations with $\leq 100\text{ms}$ latency

VOLUNTEER EXPERIENCE

Volunteer Mentor

Girls Who Code Toronto

Sep 2022 - Present
Toronto, ON

- Mentor 15 high school students in Python programming and data science fundamentals
- Organize monthly coding workshops covering topics from web scraping to machine learning
- Help students build portfolio projects and prepare for tech internships

Data Engineer Volunteer

Data for Good Canada

Mar 2021 - Aug 2022
Remote

- Built data pipeline for nonprofit analyzing housing affordability across Canadian cities
- Automated data collection from government APIs saving 30 hours/month of manual work
- Created visualization dashboard used by policy makers to inform housing decisions

EDUCATION

Bachelor of Science in Computer Science, University of Toronto

2015 - 2019

Data Engineer Professional Certificate, DataCamp

2020 - 2020