

# SAHIL KHAN

St. John's, NL, Canada

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## PROFESSIONAL SUMMARY

Technology professional with experience in data engineering, quality assurance, and cloud technologies. Built automated solutions and scalable pipelines using Python, SQL, and Azure services. Masters in Data Science with proven ability to deliver quality solutions across diverse technical environments.

## EDUCATION

<b>Master's - Data Science</b> Memorial University of Newfoundland	09/2024-08/2025 St. John's, NL, CA
<b>Postgraduate Certificate - Artificial Intelligence</b> Durham College	09/2023-08/2024 Oshawa, ON, CA
<b>Bachelor of Technology - Electronics and Communication</b> Guru Tegh Bahadur Institute of Technology	08/2017-07/2021 New Delhi, India

## SKILLS

**Programming and Databases:** Python, SQL, PL/SQL, R, KQL, Snowflake, NoSQL/MongoDB

**Data Engineering:** Spark, PySpark, Databricks, ETL/ELT Design, Airflow, dbt, Delta Lake, Unity Catalog

**Azure Cloud:** Fabric, OneLake, Data Factory, Synapse Analytics, Event Hubs, CosmosDB, ADLS Gen2, Functions, Logic Apps, SQL Warehouse

**Analytics & Visualization:** Power BI, Tableau, Alteryx; Statistical Analysis

**Testing & Quality Assurance:** Postman, ALM, Test Script Development, Functional Testing

**Project Management & DevOps:** Ms Excel, Jira, Scrum, Agile, Git, CI/CD, Docker, Kubernetes

**AI & MLOps:** Azure AI Services, Azure Machine Learning, Model training/validation, ML Libraries, API design/integration

## WORK EXPERIENCE

<b>DATA ENGINEER</b> WOBBLRR	04/2022 – 08/2023 New Delhi, INDIA
<ul style="list-style-type: none"><li>Built automated ingestion from 8+ sources with ADF and Databricks, standardizing schemas, orchestration, and lineage to cut manual prep and enable daily SLAs for analytics.</li><li>Shipped one-click ingestion pipelines for client-facing onboarding, supporting 15+ marketing campaigns per week with parameterized ADF templates and environment-specific CI/CD.</li><li>Engineered transformation jobs on Databricks feeding Synapse and Power BI, reducing manual reporting effort by 75% via incremental loads, modular notebooks, and Unity Catalog governance.</li><li>Processed 2GB+ daily telemetry and transactional data with batch/incremental patterns in ADF, optimizing storage layout in Azure Data Lake Storage for query performance and cost control.</li><li>Improved dashboard latency by 60% using partition-aware Spark jobs, Z-Ordering, and cached aggregates, with curated Delta Tables in Azure Data Lake Storage Gen2.</li><li>Exposed 12+ REST endpoints for internal portal access via Synapse Serverless views + API layer, enabling 25+ users to self-serve KPIs securely.</li></ul>	
<b>QA ENGINEER</b> DXC TECHNOLOGY	07/2021-03/2022 Bangalore, INDIA
<ul style="list-style-type: none"><li>Analyzed business and functional requirements across 3 banking modules, developing and executing 150+ test scripts covering positive, negative, and edge cases with 95% test coverage.</li><li>Managed 200+ manual test cases according to user stories, release plans, and sprint schedules using Jira, contributing to 4 successful sprint deliveries with zero critical defects in production.</li><li>Conducted comprehensive functional testing of banking applications using Postman, identifying and tracking 85+ software defects to closure using ALM and Jira, achieving 98% defect resolution rate.</li></ul>	

## ADDITIONAL EXPERIENCE

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### WALMART ASSOCIATE[PT]

10/2024 – PRESENT

#### WALMART CANADA

Mount Pearl, NL

- Unloaded and sorted merchandise trailers, accurately organizing products for efficient inventory processing and store replenishment.
- Maintained cold chain standards by ensuring proper storage temperatures for refrigerated and frozen items during receiving and stocking.
- Supported sales floor operations by moving merchandise from receiving to shelving areas and assisting with stocking to keep shelves full for customers.

### SEASONAL BRAND ASSOCIATE[PT]

09/2024 – 11/2024

#### GAP FACTORY

St. John's, NL

- Engaged with customers to understand their needs, provided knowledgeable product recommendations, and inspired purchases through exceptional service.
- Drove sales by utilizing suggestive selling techniques and promoted loyalty programs to build lasting customer relationships.
- Supported smooth store operations by assisting on the sales floor, in fitting rooms, and at the cash wrap, while maintaining a clean and organized environment.

### RETAIL SALES ASSOCIATE[PT]

10/2023 – 08/2024

#### MOKSHA CANNABIS

North York, Ontario

- Provided detailed information to customers, facilitated informed purchasing decisions, and consistently met sales targets while maintaining a positive store environment.
- Managed inventory to ensure product availability, compliance with age restrictions, and proper organization of stock, contributing to smooth store operations.
- Handled POS/cash transactions using COVA, fulfilled online orders through Dutchie, and was responsible for opening/closing the store and general housekeeping duties within the store.

### CAMPUS WALK STUDENT[PT]

09/2023 – 12/2023

#### DURHAM COLLEGE

Oshawa, Ontario

- Ensured the safety of individuals by offering assistance and safely escorting them to their destinations.
- Complied with and executed Security Officer directives during shifts, ensuring adherence to safety protocols and procedures.
- Shared responsibilities and utilized issued equipment collaboratively with a team partner while maintaining proper attire and cleanliness as per Campus Walk Program standards.

## PROJECTS

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**Fake News Detection** | [Github](#) | Built a web application with a scalable data pipeline, fine-tuned transformer models (BERT) via transfer learning in PyTorch for contextual text classification, performed model evaluation on accuracy/latency/memory trade-offs, and introduced an explainable AI approach with real-time fact-checking for media verification.

**Vehicle Maintenance Prediction** | [Github](#) | Developed a predictive vehicle maintenance solution using supervised machine learning with EDA and feature engineering, deploying a tuned decision tree via a Streamlit app to deliver proactive maintenance insights and actionable recommendations.

**PowerBI Reports** | [Github](#) | Sample dashboards showcasing financial, sales, and telemetry data.

## CERTIFICATIONS

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- **Microsoft DP-203**: Data Engineer Associate
- **Microsoft DP-900**: Azure Data Fundamentals
- **Microsoft AI-900**: Azure AI Fundamentals
- **Databricks Certified**: Data Engineer Associate
- **Google Certified**: Data Analytics