

Harpalsinh Vaghela

AZURE DATA ENGINEER – Azure Data Factory, Azure Synapse Analytics, Databricks

✉ harpalvaghela990@gmail.com

☎ (+1) 905-924-1282

📍 [Toronto](#)

in [LinkedIn](#)

🐙 [GitHub](#)

SKILLS

- **Programming Languages:** SQL, Python, Java, PySpark for data querying, transformation, and backend logic.
- **Azure Tools:** Azure Data Factory, Synapse Analytics, Databricks, Key Vault, ADLS Gen 2.
- **Database Management:** MySQL, PostgreSQL, Azure SQL Database for schema design, performance tuning.
- **Project Management Tools:** Jira, Confluence, GitHub, BitBucket for sprint planning, and documentation.
- **Data Engineering:** Delta Lake, SCD Type 1 and 2, Medallion Architecture, CI/CD integration.

WORK EXPERIENCE

MS Associate System Analyst

April 2022 – August 2022

Altera Digital Health

India

- Built and optimized ETL pipelines using SSIS and SQL Server, improved processing speed by 20%, reduced downtime by 60%, and enhanced query performance by 25% through tuning and Strategic issue resolution.
- Designed SSRS reports and implemented data quality checks, enabling stakeholders to visualize trends and saving 15 hours/week by reducing manual data handling.

Jr Software Engineer

July 2021 – January 2022

Thoughtpearl Software Private Limited

India

- Collaborated on end-to-end software design with QA and regulatory teams, improving delivery efficiency by 20% through streamlined validation protocols, agile coordination, sprint planning, testing automation, code review.
- Executed RESTful APIs and ensured regulatory integration, increasing data synchronization efficiency by 50%, reducing system-level inconsistencies across distributed environments, using authentication, and versioning.

Data Analyst Intern

October 2021 – November 2021

Technocolabs Softwares

Remote

- Analyzed LSTM neural networks to forecast Bitcoin prices, improving model prediction accuracy by 18% using time-series pre-processing, sequential layer optimization techniques, hyperparameter tuning, activation functions.
- Conducted EDA with Python libraries to detect market anomalies, increasing strategic insight efficiency by 20% through visualizations, statistical aggregation pipelines, correlation matrices, histogram plotting, normalization.

Jr. Android App Developer

November 2019 – July 2021

P5Infosoft

India

- Designed and maintained full-stack Android applications in Java, Kotlin, increasing user engagement by 25% via UI enhancements, multi-threaded performance optimization, activity lifecycle handling, & dependency injection.
- Leveraged modular architecture and external libraries, decreasing development time by 25% while ensuring scalable component integration, unit test coverage, repository patterns, Gradle optimization, and build variants.

PROJECT EXPERIENCE

Data Pipeline for Customer Account Analysis

Data Engineer

- Built scalable ADF pipeline with SCD Type 1 & 2 transformations; structured output for Power BI reporting.

Transactions and Loan Data Pipeline (Azure + Databricks)

Azure Data Engineer

- Transformed curated data to Gold layer using Delta Lake and SCD Type 1; visualized insights in Power BI.

Customer 360 Data Integration

Data Engineer

- Unified and Seamlessly modeled customer data into a 360° view using Synapse, ADLS Gen2, and Power BI.

Incremental Data Loading and Notifications in Fabric

Data Engineer

- Implemented incremental data loading into Lakehouse with Fabric Notebooks and automated email alerts.

ADF & Databricks Migration Project

Data Engineer

- Migrated ADF to Synapse pipelines, refactored Databricks notebooks for Fabric, adapting Spark and Delta logic.

EDUCATION

PG Diploma in AI Analysis, Design and Implementation

September 2023 – April 2024

Durham College, ON, Canada

PG Diploma in Data Analytics for Business Decision Making

September 2022 – April 2023

Durham College, ON, Canada

Bachelor of Engineering in Computer Engineering

August 2015 – July 2019

Gujarat Technological University, India

CERTIFICATIONS

- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Certified Databricks Data Engineer Associate