

ATRI JOSHI

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EDUCATION

Ontario College Graduate Certificate in AI and Data Science

Loyalist college in Toronto

Sept 2023 - April 2025

Toronto, Canada

Bachelor of Technology in Computer Science

Rashtriya Raksha University

Aug 2018 - June 2022

Gujarat, India

SKILLS

Programming Languages

Python, Java, C, C++, BASH, PySpark

Cloud Platforms

Microsoft Azure, Snowflake, GCP, AWS

Big Data Tools:

Databricks, PowerBI ,Apache Spark, Hadoop (Hive, MapReduce), Delta Lake

Databases

MS SQL Server, PostgreSQL, MySQL

EXPERIENCE

Associate Consultant

TekLink International Inc.

July 2022 - May 2023

Hyderabad, India

- Engineered a Databricks-based data ingestion pipeline using Delta Lake and Spark SQL, reducing processing time by 24% through optimized cluster configurations (autoscaling, spot instances).
- Transformed 1TB/day of data via Azure Data Factory and Databricks, optimizing cluster configurations for 99.9% fault tolerance.
- Trained 15+ engineers on Databricks best practices, including performance tuning and cost optimization, accelerating project delivery by 20
- Migrated 10+ legacy ETL jobs to Databricks workflows, integrating Azure Data Factory for orchestration and Synapse Analytics for warehousing.

PROJECTS

Recommender System Using Databricks

- Built a real-time recommendation engine on Databricks, leveraging MLflow for model tracking and Delta Sharing to sync 3M+ records across teams. Reduced training time from 5 hours to 35 minutes by parallelizing PySpark jobs.

RAG Based Emotional Assistant

- Created an AI-driven emotional assistant trained on psychological data to provide support for depressed and emotionally vulnerable individuals in work situations with BERT score of 0.87

Thirdeye – Assistive Technology for the Visually Impaired

- An app that Provides real-time alerts for Street Sign Recognition , Vehicle Proximity Alert and real-time alerts in case of fire and natural hazards with an False Negative Rate of 0.95 with help of Azure.

CERTIFICATIONS

- Microsoft Azure Databricks for Data Engineering - Microsoft
- Microsoft Certified: Azure Data Engineer Associate (DP-203)
- Hands-on Essentials: Data Warehouse – Snowflake
- Microsoft Power BI – Business Intelligence for Beginners