

AYUSH TYAGI

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PROFILE SUMMARY

- Data Engineer with **hands-on expertise** building end-to-end **ETL pipelines**, designing **cloud-based analytics solutions**, and transforming complex datasets into **actionable business insights**.
- Proficient in creating **interactive dashboards using Power BI**, optimizing **SQL queries**, and leveraging **Azure cloud technologies** (Data Factory, Databricks, Azure SQL) for scalable data solutions.
- Strong foundation in **Python (pandas, PySpark)**, **machine learning fundamentals**, and **statistical analysis**, with proven ability to communicate technical findings to diverse stakeholders.
- Combining Computer Science degree with **Data Engineering certification** to deliver high-impact results independently.

TECHNICAL SKILLS

Languages: Python (pandas, PySpark, scikit-learn), SQL, JavaScript, HTML, CSS, C#, .NET

Cloud & Big Data: Azure (Data Factory, Azure SQL, Azure ML), Databricks, Azure DevOps

Analytics & BI Tools: Power BI, Excel (Advanced - Pivot Tables, DAX), Tableau concepts

Data Engineering: ETL/ELT pipelines, Medallion architecture, data modeling (conceptual/logical/physical), database design, data quality assurance

Database & Development: Azure SQL, Git/GitHub, Visual Studio, agile methodologies, statistical analysis, ML fundamentals

PROFESSIONAL EXPERIENCE

SSDN Technologies - Web Developer Intern, Gurugram, India April 2023 – December 2023

- Analyzed business workflows and translated requirements into **analytics and reporting solutions** using **Python automation scripts and SQL**, improving data processing efficiency by **30%**.
- Performed **verification and research** on LinkedIn and external sources to **identify and correct data inconsistencies**, ensuring **95%+ data accuracy** across multiple CRM systems.
- Collaborated with cross-functional teams to **identify improvement opportunities** and maintained **comprehensive technical documentation** for data systems and processes.

McDonald's - Crew Trainer, Namao, AB (Part-time) February 2024 – Present

- Analyze operational workflows and identify **process optimization opportunities** in fast-paced, high-volume environment serving **100+ customers daily**.
- Develop training procedures and provide **technical troubleshooting support**, demonstrating strong **problem-solving and communication skills**.

KEY PROJECT

Alberta Affordability Data Platform – AI-Enabled Analytics Solution

Azure Data Factory, Azure SQL, Databricks, Power BI, Python, Machine Learning | [GitHub](#)

- Architected and implemented complete **Medallion architecture (Bronze → Silver → Gold)** analyzing economic affordability trends across **5+ years of government datasets**.
- Engineered **automated ETL pipelines** using **Azure Data Factory and Databricks**, integrating multiple datasets (wages, inflation, rent, unemployment) and **reducing manual data processing by 80%**.
- Built custom Affordability Index using feature engineering, developed Power BI dashboards with correlation analysis and applied ML for pattern recognition

EDUCATION

Northern Alberta Institute of Technology (NAIT) December 2025

Certificate in Business Intelligence & Data Engineering | Edmonton, AB

Grant MacEwan University December 2024

Certificate in Full Stack Web Development & Professional Communication | Edmonton, AB

DCRUST University August 2019 – July 2023

Bachelor of Technology in Computer Science & Engineering | Haryana, India