

# AYUSH TYAGI

+1 (825) 889-7690 | [ayushtyagi1337@gmail.com](mailto:ayushtyagi1337@gmail.com) | [linkedin.com/in/ayushtyagi1337](https://linkedin.com/in/ayushtyagi1337) | [ayushtyagi.dev](https://ayushtyagi.dev) | Edmonton, Alberta

## 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