

ISHRAKUZZAMAN EMON

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PROFESSIONAL SUMMARY

Data Analyst & Engineer and Computer Science student specializing in **Data Warehousing, ETL Automation, and Medallion Architecture**. Proficient in engineering Python scripts for high-volume extraction and optimizing **Microsoft SQL Server** schemas (3NF). Experienced in transforming raw ERP/CRM data into actionable Power BI insights.

EDUCATION

UNIVERSITY OF LODZ, POLAND

BA in Computer Science, June 2027

- **Relevant Coursework:** Algorithms & Data Structures, Statistics, Database Systems (Microsoft SQL Server), Object-Oriented Programming (Java, C++, Python), Business Management, Web Technologies.

SKILLS

- **Languages & Databases:** Python (Pandas, NumPy, pytest), SQL (T-SQL, Microsoft SQL Server), DAX, Power Query.
- **Data Engineering:** ETL/ELT Pipelines, dbt, Apache Airflow, Web Scraping (BeautifulSoup/Selenium).
- **BI & Analytics:** Power BI, Data Visualization, Statistical Modeling (ARIMA), Predictive Analytics.
- **Languages:** English (*Advanced-C1*), Bangla (*Native*), Hindi (*Proficient*)

EXPERIENCE

DATA ANALYST | Poland

Feb 2025 – Present

- **Database Architecture & Optimization:** Designed a normalized (3NF) Microsoft SQL Server schema handling 100k+ transactions, reducing data redundancy and improving query performance.
- **Automated Data Engineering:** Engineered robust Python scrapers to automate the extraction of competitive pricing and inventory data from **major e-commerce platforms**.
- **Data Integrity Pipelines:** Developed custom logic for automated data cleaning and null-value imputation, replacing manual entry workflows and ensuring dataset consistency.
- **Advanced BI Solutions:** Designed an end-to-end Power BI dashboard integrated with Live Weather APIs, enabling stakeholders to correlate real-time environmental data with sales trends.

PROJECTS

- **F1 DATA WAREHOUSE | Medallion Architecture & Analytics** | [GitHub](#)
 - Built a Medallion Architecture pipeline in SQL Server, automating JSON ingestion via Python (SQLAlchemy) and visualizing race metrics in Power BI.
- **ENTERPRISE DATA WAREHOUSE | Modern Data Architecture** | [GitHub](#)
 - Architected a Star Schema warehouse integrating ERP & CRM data, implementing full ETL workflows (cleansing, dimension modeling) to analyze sales trends.
- **COMPETITOR INTELLIGENCE PIPELINE | Web Scraping & BI** | [GitHub](#)
 - Engineered a Python scraper (BeautifulSoup) to extract 1,000+ products, automating data loading into SQLite for Power BI pricing analysis (“Hidden Gems”).
- **HAND MOTION DATA LOGGER | Computer Vision & OOP** | [GitHub](#)
 - Developed a reusable Python Class using OpenCV to track gestures and log structured coordinate data (CSV) for behavioral analysis.

CERTIFICATION

- **SQL Mastery** (Udemy) | **Python Mastery** (Udemy) | **Data Engineering with Airflow & dbt** (DataCamp) | **Predictive Analytics** (DataCamp) | **Web Scraping Pipeline** (DataCamp)

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