Gaurang Bhandare
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EDUCATION

University of Illinois at Urbana-Champaign   **Aug 2025 – Present**
Master of Science in Information Management
Coursework: Data Warehousing and Business Intelligence, Data Stats & Info, Database Design & Prototyping

University of Mumbai, India   **Aug 2019 – Jul 2023**
Bachelor of Technology Electronics and Telecommunication Engineering; (GPA: 9.33/ 10)
Coursework: Database Management System, Big Data Analytics, Cloud Computing, Machine Learning, Management Information System

WORK EXPERIENCE

Accenture Solutions PVT LTD, India| *Data Engineering Analyst*   **July 2023 – June 2025**
- Automated data collection across **10+ schemas** using PySpark stored procedures and dynamic SQL logic in Azure Databricks and BigQuery, enabling real-time dashboards and eliminating **100%** of manual effort.
- Developed **Python scripts** to integrate with sources like Microsoft Dataverse, SharePoint, ADLS buckets and performed complex transformations that streamlined Databricks ingestion, cutting preprocessing time by **60%**.
- Built a reusable migration template to transfer **20M+** records with **Delta Load, Schema Drift**, and **SCD Type 2** support, reducing workflow runtime by **89%**.
- Optimized and deployed Databricks pipelines via **GitHub** and leveraged **Autoloader** to reduce workflow complexity.
- Managed data **ingestion and harmonization** in parallel, ensuring consistent and efficient data flow across systems.

Hindustan Unilever, India | *POS Analytics Intern*   **Apr 2022- May 2022**
- Analyzed **Point of Sale (POS)** data using a consolidated master file to identify customer purchasing trends and product demand.
- Cleaned and processed **4,000+** entries using **advanced Excel functions** and python libraries to extract actionable insights on sales volume and consumer behavior.

Let's Grow More, India | *Data Science Intern*   **Feb 2022 - Mar 2022**
- Completed multiple data analysis tasks on different structured datasets to identify patterns and insights.
- Utilized Python libraries such as **NumPy, Pandas, and Matplotlib** for efficient data manipulation, analysis, and visualization.

ACADEMIC PROJECTS

Supermarket Data Processing using Azure Databricks   *Github*
- Developed a modern data platform leveraging **Azure Databricks** by using features such as **Delta Lake**, **Unity Catalog** aiding in building a **medallion architecture** (Bronze → Silver → Gold)
- Created Azure Storage Account with Blob Container, Azure Databricks Workspace and Databricks Connector to enable access from Databricks to ADLS Gen2
- Leveraged **ADLS GEN2** to store ingested data and manage structured zone-wise access using directory hierarchy.
- Developed **SCD Type 1** tables using PySpark logic to handle overwrites of changed records and **SCD Type 2** tables using **Delta Live Tables (DLT)** for historical tracking of changes using versioning and effective dates.
- Constructed an end-to-end pipeline incorporating, transformations, aggregations, scalable functions, autoloader functionality.

Global Analysis of Data-Driven Job Roles and Hiring Trends   *Github*
- Performed in-depth analysis of **479K+** records in Power BI to uncover job trends and hiring patterns for data-related roles.
- Implemented **Drill-through** functionality for deep-dives on selected job titles
- Built **Star Schemas** in Power BI by joining fact and dimension tables, optimizing data models for efficient reporting
- Developed **DAX expressions** for aggregations, and filter context manipulation using **CALCULATE** and enabling dynamic filtering using **parameters functionality** to support flexible **"what-if" analysis** in Power BI dashboards.

Blinkit Sales Data Analysis   *Github*
- Comprehensive **SQL/Python/PowerBi**-based analysis of the Blinkit dataset available on Kaggle
- Used Advanced SQL functions and Python libraries for **data cleaning** and **computing summary statistics** based on product and outlet attributes.
- Visualized the data by grouping different metrics aiding in performing exploratory data analysis

SKILLS & OTHERS

- **Languages & Databases:** Python, SQL, Pyspark, Azure Databricks, Google Big Query, MySQL
- **Tools/Technologies:** Power BI, GitHub, MS-Excel, Dbeaver,Winscp,Putty
- **Libraries**: NumPy, Pandas, Matplotlib, Seaborn

Certifications and Rewards

- Microsoft Certified Azure Fundamentals (AZ-900)
- Achieved merit recognition in Accenture's Techgenics Stream training in India region.