

SAGARIKA SHINDE

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WORK EXPERIENCE

Data Analyst | iConsult Collaborative | NY, US

Jun 2025 – Present

- Architected scalable data pipelines using **Azure Data Factory (ADF)**, **Python**, and **Azure Synapse Analytics**, enabling scheduled workflows, incremental data loads, and ensuring real-time data availability for analytics and reporting.
- Implemented dimensional data modeling using **dbt Core** and **Azure Synapse Analytics**, designing fact/dimension tables, applying slowly changing dimensions (SCD) Type 2 to track historical changes, and optimizing materialized views for faster ad-hoc queries.
- Built a data quality and **CI/CD framework** by integrating automated data validation in **dbt**, custom **Python scripts**, and **Azure DevOps** pipelines to ensure accurate transformations and reliable production deployments.
- Carried out exploratory data analysis (EDA) using **Pandas**, **NumPy**, **Matplotlib** and **LLMs** to uncover performance trends, validate data integrity, and identify actionable insights supporting strategic decision-making initiatives.
- Built interactive **Power BI** dashboards connected via **DirectQuery** to Azure Synapse, designing advanced **DAX calculations** for dynamic KPI tracking and drill-downs and accelerating data-driven decision-making by 40%.

Business Intelligence Analyst | iConsult Collaborative | NY, US

Oct 2024 - May 2025

- Extracted and transformed structured and unstructured workforce and labor market datasets from 3+ government sources into a centralized **Snowflake** data warehouse using optimized **SQL queries** and **DBT** cloud.
- Partnered with program managers to translate labor policy questions into data requirements, delivering 25+ ad-hoc analyses that informed resource allocation and workforce program planning decisions.
- Designed 8 interactive **Tableau** dashboards tracking workforce key performance metrics (job placement rates, training completion, unemployment duration) that eliminated 40 hours of manual reporting and provided real-time performance visibility to leadership.
- Performed trend analysis, cohort comparisons, and forecasting using **Python scripts** (pandas, scikit-learn) and **Excel**, identifying 15-20% performance variance across regions and seasonal hiring patterns that informed strategic resource allocation decisions.

Business Intelligence Engineer | Morningstar | Mumbai, India

Aug 2021 - Jun 2023

- Engineered end-to-end ETL pipelines in AWS (Glue, Lambda, S3)** to ingest and transform corporate action financial data from multiple market feeds, improving data availability for downstream analytics by **38%**.
- Constructed data models and dimensional schemas in Amazon Redshift and PostgreSQL**, integrating event-based data (mergers, dividends, splits, spin-offs) into structured reporting layers for financial analysts and data consumers.
- Collaborated with financial data analysts and product managers to translate corporate action rules into ETL transformation workflows, reducing data discrepancies and ensuring compliance with market data standards across 50+ daily event feeds.
- Reduced manual data reconciliation time by 50%** by designing automated data validation and QA monitoring scripts using **Python and SQL**, integrated with **CI/CD pipelines** and **BitBucket-based version control** for consistent testing and deployment.
- Empowered stakeholders to monitor corporate action impacts on index calculations** by deploying **interactive QuickSight dashboards** that visualized **event timeliness, index constituent changes, and data freshness KPIs** for self-service monitoring.
- Led **Agile sprint** ceremonies (standups, retrospectives, sprint planning) following **SDLC** framework to deliver 20+ business-critical data solutions for financial reporting across 16 sprints, maintaining stakeholder satisfaction and ensuring timely delivery.

TECHNICAL SKILLS

Data Engineering:	SQL, DBT, Azure Data Factory, Apache Airflow, NoSQL, Spark, Apache Kafka, Data Integration, ETL Pipelining
Databases:	MySQL, PostgreSQL, Microsoft SQL Server, Snowflake, Databricks, Amazon Redshift
Business Intelligence:	Power BI (DAX, RLS, Power Query), Tableau (LOD, Forecasting), Excel (Pivot Tables, VLOOKUP/XLOOKUP)
Programming:	Python (Pandas, NumPy, Matplotlib), SAS, R Programming, Version Control (Git, GitHub, Bitbucket), CI/CD
Project Management:	Agile, Kanban, Scrum, SDLC, Atlassian JIRA, Visio, Confluence, Microsoft Excel, Salesforce CRM, Waterfall
Data Preparation & ETL:	Data Cleaning, Data Wrangling, Data Transformation, SSIS, Airflow

ACADEMIC PROJECTS

Post-COVID & AI Impact on Tech Employment

Jan 2025 - Apr 2025

- Conducted end-to-end quantitative analysis on US Employment Data (2021–2024) post-COVID to evaluate company recovery and understand shifting job market dynamics, employing **Python for EDA**, **Magie for ETL**, and **Google Cloud Platform (GCP)** for analysis
- Streamlined data processing and data visualization of the dataset in BigQuery, showcasing trends and factors in layoffs and hiring via **Tableau dashboard**, improving trend communication. Ran **A/B tests** to investigate factors influencing layoffs and tech adoption.

EDUCATION

Master of Science in Information Systems | Syracuse University, Syracuse, NY | GPA 3.6/4

Aug 2023 - May 2025

Bachelor of Engineering in Computer Engineering | Mumbai University, India | GPA 3.5/4

Aug 2017 - May 2021

CERTIFICATIONS

Microsoft Excel Associate | Associate in Project Management (CAPM) | Microsoft Power BI | Snowflake Data Warehouse (Scheduled)