

# SAGARIKA SHINDE

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## WORK EXPERIENCE

### Data Analyst | iConsult Collaborative | NY, USA

Jan 2025 - Present

- Engineered an analytics pipeline in **Python (Pandas)** to clean and process 50K+ athletics training session data, conducting exploratory data analysis (**EDA**) to surface injury patterns and seasonal trends.
- Built fatigue prediction models (78% accuracy & 0.82 AUC), reducing soft-tissue injury costs by 15–20% (**Random Forest, XGBoost**).
- Designed real-time dashboards applying z-score thresholds and moving averages, cutting lineup decision time from 2 hours to less than 10 minutes and boosting coach adoption by 35% (**Power BI, DAX**).
- Produced GPS heatmaps with kernel density estimation and spatial clustering, increasing substitution timing accuracy by 27% and on-field efficiency by 12% (**Python, spatial analysis**).

### Business Intelligence Analyst | iConsult Collaborative | NY, USA

Aug 2024 - Dec 2024

- Spearheaded automated **ETL pipelines (Custom DBT Macros, Airflow)** to integrate 300K+ structured/unstructured workforce records into a centralized **Snowflake Data Warehouse**, improving reporting efficiency by **65%**.
- Designed star-schema data models with fact/dimension tables and optimized SQL queries using **window functions, common table expressions (CTEs), and subqueries**, strengthening the data architecture.
- Deployed time-series models in Python (**Prophet, ARIMA**) to forecast wage distributions across 200+ occupations, findings informed strategic training investments, increasing program enrollment by 15%.
- Delivered **Tableau dashboards** with drilldowns, and calculated fields for key performance indicators (KPIs), reducing insight delivery time for **10+ job roles**.

### Business Intelligence Engineer | Morningstar | India

Aug 2021 - Jun 2023

- Automated ingestion of corporate actions financial data (dividends, mergers, splits) using event-driven ETL, on AWS (S3, EC2) with Python scripts, enabling same-day portfolio valuations.
- Developed 17+ **Power BI** dashboards (**DAX and KPIs**), enabling **100+ portfolio managers** to track market impacts in real time and improving client transparency scores in quarterly surveys by **15%**.
- Conducted API validation tests on vendor feeds (**Postman**), reducing valuation discrepancies by 40%, preventing reporting delays
- Implemented **CI/CD pipelines** (Bitbucket, Git) for version control, enabling seamless integration, automated testing, and reducing release errors while accelerating deployment time.
- Collaborated in **Agile sprints (Scrum, JIRA)** with cross-functional teams, translating financial requirements into user stories and acceptance criteria, ensuring timely delivery aligned with **software development lifecycle (SDLC) best practices**.

## TECHNICAL SKILLS

<b>Data Engineering:</b>	SQL, DBT, Azure Data Factory, Apache Airflow, NoSQL, Spark, Apache Kafka, Data Integration, ETL Pipelining
<b>Databases:</b>	MySQL, PostgreSQL, Microsoft SQL Server, Google BigQuery, Snowflake, T-SQL, Databricks, Amazon Redshift
<b>Business Intelligence:</b>	Power BI (DAX, RLS, Power Query), Tableau (LOD, Forecasting), Domo, Qlik, Excel (Pivot Tables, LOOKUP)
<b>Programming:</b>	Python (Pandas, NumPy, Matplotlib), SAS, R Programming, Version Control (Git, GitHub, Bitbucket), CI/CD
<b>Project Management:</b>	Agile, Kanban, Scrum, SDLC, Atlassian JIRA, Visio, Confluence, Microsoft Excel, Salesforce CRM, Waterfall

## 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, Mage for ETL, and Google Cloud Platform (GCP)** for analysis
- Streamlined processing and visualization of a significant dataset in BigQuery, showcasing trends and factors in layoffs and hiring via a **Tableau dashboard**, improving trend communication. Ran **A/B tests** to investigate factors influencing layoffs and tech adoption

### E-Commerce Growth Analytics

Feb 2024 - Apr 2024

- Wrote complex SQL queries in **SQL Server Management Studio (SSMS)** to integrate transactional (orders, revenue) and customer datasets and performed cohort retention analysis and CLV/CAC modeling in **Python (Pandas, NumPy, SciPy)**.
- Identified retention drivers, that improved ROI by 18% and boosted customer retention by 12%, and built Power BI KPI dashboards tracking NRR and revenue drivers, enabling strategies that lifted recurring revenue by 9%.

## EDUCATION

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

Aug 2023 - May 2025

Data Visualization Dashboards, Statistics, Advanced Data Analytics and Decision Making, Business Analytics, DBMS, Data Warehousing

### 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)