

Hasnain Sizar

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WORK EXPERIENCE

Choice Hotels

Jun 2025 - Present

Business / Data Analyst

Los Angeles, CA

- Built **4 Power BI dashboards** on a star-schema model for occupancy, ADR, RevPAR, and channel mix, replacing a manual Excel rollout with weekly reporting for hotel, revenue, and marketing leaders.
- Developed **Python and SQL** demand forecasts from 2 years of booking and rate data across 80 properties; reduced MAPE from **18% to 12%** to support weekly pricing decisions.
- Clean, transform, and reconcile booking, rate, and channel data across systems; resolve quality issues and document metric definitions before publishing reports.
- Delivered 20+ analyses for revenue and marketing leaders; reduced average turnaround from approximately **3 days to 4 hours** by templating recurring data pulls.
- Designed A/B tests for 3 promotional campaigns; the winning treatment increased loyalty engagement **7%** versus control across a 25-property pilot.

Prime Therapeutics

Sep 2024 - Jun 2025

Junior Data Scientist

Remote

- Authored **6 Python and SQL ETL jobs** integrating claims, formulary, and member data from 5 source systems; scheduled and monitored daily refreshes with run-time alerts and documented lineage.
- Built an XGBoost claims-volume forecast from 24 months of data, reducing forecast error **10%** versus a linear baseline for Operations and Finance capacity planning.
- Developed 3 Power BI and Tableau dashboards on claims and prescription trends; targeting changes informed by the dashboards increased campaign **ROI 15%** year over year.

Bank of America

Jun 2023 - Aug 2023

Data Science Intern

New York, NY

- Co-developed a Python and SQL fraud-detection pipeline processing **2M+ daily card transactions**; tuned thresholds to reduce false positives approximately 10% and improve recall 9% on the weekly evaluation set.
- Delivered 2 Tableau dashboards for fraud trends and model performance, replacing 2 manual Excel reports used by fraud operations.

PROJECTS

Soccer Analytics Data Pipeline

- Integrated 2 APIs and a scraped source into a **6-table SQLite database** supporting analysis of 68,404 matches across 20 European leagues.

Anomaly Detection Pipeline

- Built automated scoring and reporting with **116 tests** and GitHub Actions CI; achieved 0.89 precision and 0.94 recall on 10 generated datasets.

EDUCATION

University of California, Irvine

Bachelor of Science in Data Science

SKILLS

Languages: Python (Pandas, NumPy), SQL (CTEs, window functions, stored procedures, query optimization)

Data Engineering: ETL, data validation, Snowflake, BigQuery, Databricks, Azure Data Factory, AWS S3, dbt

Analytics: Power BI (DAX, Power Query), Tableau, star-schema modeling, forecasting, A/B testing

Business Analysis and Delivery: Requirements gathering (BRD/PRD), stakeholder presentations, Agile/Scrum, JIRA, Confluence, Git, GitHub Actions