

Atharva Anil Sathaye

Data Analyst

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Summary

Data Analyst with **2.5 years** at **Accenture** across automotive service operations and healthcare insurance, plus e-commerce growth analytics in independent work. Works in **SQL**, **Python** and **Power BI**, turning ambiguous business questions into measured answers through funnel, retention and experiment analysis.

Skills

Technical: SQL (window functions, CTEs, query optimization), Python (pandas, statsmodels, scikit-learn), BigQuery, dbt, Looker Studio, Power BI, Tableau, Excel, MS SQL Server, Azure, Git

Analytics: A/B testing and experiment design, power analysis, hypothesis testing, regression, difference-in-differences, funnel and conversion analysis, cohort retention, RFM segmentation, churn modeling, LTV, anomaly detection, KPI definition, data storytelling

Professional Experience

Business Intelligence Group, University of Illinois Urbana-Champaign

Champaign, IL

Data Analyst, Healthcare Insurance AI Product

Aug 2025 – May 2026

- Defined the **success metrics** and analytical framework for a client facing insurance assistant, then presented findings and recommendations to **5 client executives including the CEO** in terms non-technical stakeholders could act on
- Architected a **RAG pipeline** on **Azure OpenAI** and **Azure AI Search** with **LangChain** and chain-of-thought prompting, cutting hallucination rates **40%** against a held-out question set
- Built **Python** and **SQL** ingest pipelines enforcing validation rules and **PII** and **PHI governance** across claims and policy documents, holding **zero data quality incidents**

University of Illinois Urbana-Champaign

Champaign, IL

Research Assistant, Data Analytics and Signal Processing (concurrent)

Aug 2025 – Dec 2025

- Engineered a **Python** feature extraction pipeline over raw audio and benchmarked an adapted **transformer** model against it, surveying **30+ papers** to select the final feature set and earning authorship on a **TEI submission**

Accenture

Pune, India

Global Automotive Client, Service Analytics and Reporting

Jan 2022 – Jun 2024

Application Development Analyst, Analytics and Reporting

Aug 2023 – Jun 2024

- Analyzed **100+ service cases** monthly, classifying recurring **failure patterns and anomalies** by category and root cause to give leadership a prioritized view of the systemic drivers, cutting **resolution time 25%**
- Designed **Power BI** dashboards with **DAX** measures tracking **8 KPIs** across resolution time, throughput and uptime, reaching **50+ users** across delivery teams and leadership
- Automated the underlying reporting with **Python**, **SQL** and **Power Query**, replacing manual **Excel** reports to remove **20%** of manual effort and return **100+ analyst hours annually**

Application Development Associate, Data Engineering and Performance

Jan 2022 – Aug 2023

- Rewrote the **SQL** batch job behind vehicle and parts history lookups across **10M+ row Microsoft SQL Server** databases, taking response from over one minute to under 30 seconds for service centers worldwide
- Translated business requirements into design specifications across **10 to 15 production releases** with **zero failed go-lives**, documenting each change and training end users on it

Projects

E-Commerce Growth Analytics · SQL, BigQuery, dbt, Python, Looker Studio · [GitHub](#)

- Modeled event-level GA4 data into a **dbt** star schema in **BigQuery** under **37 tests**, flagging **847 purchase sessions missing add-to-cart** as an instrumentation gap rather than dropping them, then trained a gradient boosting **churn model** at **0.784 AUC** with **SHAP** attribution
- Quantified where the funnel loses revenue at **2.63% conversion**, with mobile checkout **11.4pp** below desktop and one point of checkout completion worth **\$63K monthly**, then sized **\$83K** at risk through cohort retention and **RFM segmentation**
- Designed a powered **A/B test** at **3,847 users per arm** over 36 days, simulated how daily peeking inflates false positives from **5% to 26.3%**, and measured a layout change at **-3.5pp (95% CI -5.8 to -1.2)** worth **\$24K per month** using **difference-in-differences**

Digital Banking Competitive Benchmark · Python, CFPB API, NLP, Git · [GitHub](#)

- Analyzed **598,000+ CFPB complaints** and **2M+ app ratings** across 6 US banks normalized by deposit base, finding the three largest carry **172,000 to 183,000** each against **14,900 to 32,000** for peers, then scored gaps on **RICE**

Supply Chain Pressure and Inflation Forecasting · Python, Statsmodels, Streamlit · [Live app](#)

- Modeled live FRED and NY Fed series with **Granger causality** and **Vector Autoregression**, establishing a **3 month lag** between supply chain pressure and inflation and shipping a **6 month forecast** as a public app

Education, Certifications and Recognition

University of Illinois Urbana-Champaign · M.S. Information Management, GPA 3.86/4.0

Aug 2024 – May 2026

Savitribai Phule Pune University · B.E. Electrical Engineering

Aug 2017 – May 2021

Certifications: Microsoft PL-300 Power BI Data Analyst · Lean Six Sigma · Generative AI · SAP S/4HANA

Accenture recognition: Star of the Month, Best People (2023) · High Performance Team Member (2022)